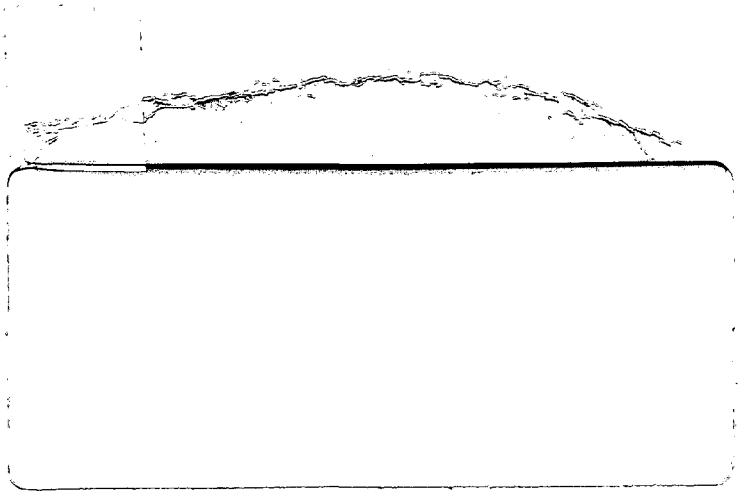
Hawaii Coastal Zone Management Program



Application Design Document Number 5

Capital Improvements Program

Hawaii Permit Application and Support System
A Demonstration Project
of the Hawaii Coastal Zone Management Program

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CAPITAL IMPROVEMENTS PROGRAM

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I. INTRODUCTION

This application design document for the Capital Improvements Program Review Process is the fifth in a series of design documents prepared for agencies participating in the Hawaii Permit Application and Support System (H-PASS). The H-PASS is a demonstration project of the Hawaii Coastal Zone Management (HCZM) Program which proposes eventually to include up to seventeen coastal related permits and data bases into an automated system of information flow and exchange.

This particular design document focuses on the design requirements relating to processing and monitoring the Capital Improvements Program Review Process administered by the Department of Planning and Economic Development (DPED).

The design presented here includes a brief description of the H-PASS and user network, an overview of the subject application, and an explanation of how the application might best be implemented to meet a range of agency needs. In addition, basic design considerations are addressed, including operational procedures (how the system will work), access and security provisions, a listing and description of relevant data elements, and an initial set of report formats to meet staff and management information needs.

A. Purposes of Application Design Document

The primary purpose of the design document is to provide a means of communication between the user agencies and the developers of the H-PASS so that a common agreement and understanding may be reached as to what the system should do and how it will do it.

The design is to be used to accomplish the following tasks: identifying user requirements and functions to be performed by the H-PASS; describing the flow of information and necessary updates associated with the processing and monitoring of permit applications; determining the reports to be produced by the H-PASS; identifying the data elements to be entered, stored, and retrieved from the system; and developing the screens to be used for data input and retrieval.

The development of a design document actually represents the fourth of seven steps in the total design and implementation cycle for each system application on the H-PASS. This design cycle specifies a sequence of steps which will be followed in the application's development and implementation. The seven general steps are as follows:

(1) Concept Initiation and Approval
(2) Draft Design Document
(3) Review and Revision
(4) FINAL DESIGN
(5) Programming
(6) Installation and Training
(7) Post Installation Evaluation

B. Organization of the Design Document

The organization of the materials in this draft design document for the Capital Improvement Program Review is briefly described below.

Part I.C, Overview of the H-PASS system, included to provide an synopsis of the H-PASS general design and purpose.

Part II, Overview of the Capital Improvement Program Review, included to provide the unfamiliar reviewer with some background and context of the existing Capital Improvement Program process.

Part III, H-PASS System Functions Related to the Capital Improvements Program Review Process, provides a general description of how H-PASS will be working to improve the process.

Part IV, Information Flows, describes separately and in detail all of the steps in the present Capital Improvement Program Review Process for the six major categories of review.

Part V, System Outputs and Inputs, describes the proposed formats of the data entry screens, as well as the proposed formats of the reports that are to be generated. This is the most important section on which to focus review, as it represents the principal user-oriented components for implementing the Capital Improvement Program Review Process in H-PASS.

Part VI, Systems Structure for the Capital Improvements Program, generally describes the computer system structure of H-PASS as related the CIP Review Process.

Part VII, Program Specifications, and Part VIII, Computer File Specifications, identify and describe the data files and programs necessary to implement the Capital Improvements Program on H-PASS, as well as a description of how the files are to be organized and maintained.

Part IX, Data Access and Security, describe generally the system security options available to the H-PASS and provisions for controlling access to data stored on the system.

C. Hawaii Permit Application and Support System

The Hawaii Coastal Zone Management (CZM) Program is presently undertaking a research and demonstration project to improve information management for coastal planning and land use processes. The project is entitled the Hawaii Permit Application and Support System, or H-PASS. The H-PASS is an automated permit tracking and information support system using a network of remote terminals throughout the State for data input and output. The system is designed to enhance the operation and capabilities of the various State and county agencies with coastal zone responsibilities.

The system has been developed in partial response to increasing information requirements and the accompanying problems which are especially evident in our land use regulatory system. A myriad of permit requirements have evolved over the years to regulate various aspects of development activity in Hawaii. The net result of this evolution has been an increasingly complex and inefficient permit processing system. Applicants proposing development activity in Hawaii are faced with a maze of government-imposed controls over the use of their land.

The proliferation of permit requirements has created a situation where an increasing number of permit applications are being filed. As a result, processing of permits is relatively slow, and review of permits for consistency with laws, rules and regulations is impeded. While this situation may be

partially addressed by streamlining the permit process, a complementary approach is proposed by this project to provide for computerizing the permit application and processing system.

The present design of H-PASS involves a system of word processors or remote terminals located at each of the agencies within the user network. These word processors possess sophisticated text editing capability and in that regard function much like mini-computers. In addition, they are to be equipped with telecommunications capability which will enable the transmission of electronic messages through existing telephone lines. Agencies within the H-PASS user network will be able to communicate with each other as well as perform data manipulation and access permit-related information through linkage with a central computer located at the University of Hawaii.

The H-PASS project is in the first phase of a projected three-year program of research and development. Its scope is ambitious and comprehensive, involving up to ten agencies and seventeen land use and development permits and approvals.

The H-PASS is envisioned to eventually have far-reaching effects in terms of coordinating planning and permit activities on a Statewide basis. Data processing capability should enhance individual agency operations and increase the efficiency and effectiveness of development review procedures. The major benefit of the system, however, will be the ready access to a shared data base of planning, land use, and permit information from the various agencies networked in the system.

1. Purposes of the Project

The H-PASS is designed to be a computer-based processing system which will enhance the efficiency and effectiveness of development review procedures primarily by providing the means for access to important and relevant permit-related information. There are four major objectives of the Hawaii Permit Application and Support System. These objectives are (1) to support agency permit processing, (2) to support interagency communication and coordination, (3) to assist in the management and external reporting needs, and (4) to assist agencies in improving their internal efficiency and operational capabilities.

Agency Permit Processing Activities

H-PASS is designed to assist the networked state and county agencies in the administrative management of the various land and water development permits and approvals. A range of capabilities is offered to support the agency's staff in the review and processing of permits.

Application Tracking. The H-PASS will have a major impact on the efficiency and effectiveness of permit processing by providing an index of permits or approvals previously processed. Of all of the steps in the permit application review process, the analysis of the proposed project is the most complex step for agency staff since it is often necessary or desirable for the reviewer to consider prior applications for the same permit type, geographic area, type of project, or applicant. A major function of the system will be to maintain an automated index of permit application files. Each file will be indexed by many key identification attributes including county, island, district, tax map key, applicant name, project type, and permit type, to list some of the major aspects.

The system will thus allow staff reviewers to easily and efficiently identify similar applications on the basis of project type, geographic area, or other application attribute. This will assist the analysis of the project under consideration in several ways. First, the environmental impact of conducting a project may be affected by current and previous projects in the area. Second, a permit for a project should not be issued when an application for a similar project has been rejected recently -- unless differences between the two applications can be identified. Third, certain types of projects or geographic areas may be considered environmentally sensitive such that a more comprehensive review may be required. In each of these circumstances, it would be desirable for the staff reviewer to obtain a listing of previous applications within the same geographic area or which has similar project characteristics.

Status Reporting. Often it is useful for management or staff to determine the status of a pending permit internally or with another agency in terms of its stage in the review process. For H-PASS, agency staff will be updating the file on the individual permit application at several designated points in the review process. With multiple projects pending review, a listing of the active permits for which final decision is pending can be easily retrieved.

The status of a given project undergoing review in another networked agency may also be similarly obtained. In response to these needs, the system will be capable of generating special status reports for these agencies.

Access to Resource and Land Use Data Bases. H-PASS proposes to incorporate the land use inventory data files for each of the four counties. Using the tax map key as the base, the Special Management Area boundaries may also be incorporated into the inventory. At a later point, the inclusion of flood hazard areas and historic sites by TMK may be incorporated as well. This will prove useful to the planning staff in determining whether the project falls in any of these categories.

Inter-Agency Communication and Coordination

Through the network of user agencies and the inclusion of coastal-related land and water development permits within an integrated system, multiple benefits will be derived. The shared management approach through which H-PASS must be developed encourages an improved cooperative environment that will have benefits in many agency and management activities. Apart from these general benefits, more specific coordinative benefits may be identified.

Simultaneous Reviews. Nearly every development activity has aspects which are subject to regulation by two or more public agencies. The coordination of permit review is at the present time impeded by a lack of communication between agencies, which contributes to the lengthy review process. H-PASS has the potential to facilitate simultaneous reviews of permits by separate agencies by providing a means for agencies to share permit-related information, including staff findings and recommendations. This could not only reduce the length of time required to process permits required for a project, but also may avoid or minimize duplication of effort by the participating agencies.

Inquiries. It is often desirable to contact another agency regarding specific concerns or comments on aspects of a project undergoing multiple agency review. By means of a telecommunications capability among the word processors or terminals in the H-PASS network, agencies will be able to quickly send queries about a given project and likewise be able to receive responses in an efficient manner. Because the

timely receipt of comments from other agencies is equally important, reminder-type inquiries may be rapidly transmitted to networked agencies.

Referrals. In a similar manner, the ability to telecommunicate messages, reports, and other material to other agencies in an efficient manner should generally speed up the review of documents and referrals to other agencies in the network.

Public Hearing Coordination. The necessity for public hearings or public notifications is often one of the principal contributory factors in the lengthy review process. The H-PASS may eventually enable an interagency listing of required public hearings to be produced on a regular basis to facilitate the coordination of public hearings for a given project. This capability would be dependent upon the number of agencies networked, and would require a master file to link projects with their associated permits.

Management and External Reporting Needs

The report-generating capability of the H-PASS will enable the production of summary tabulations of project and permit data as required to meet the particular needs of the agencies in the H-PASS network.

Public and Legislative Inquiries. Many agencies often receive phone calls and written inquiries from the Legislature, interested citizens or other agencies and organizations regarding the status of a particular project or permit activity. Specially designed report and data retrieval features will enable agency staff to rapidly respond to these inquiries. Moreover, the retrieval and report generating capabilities of H-PASS will enable various types and formats of listing summary tabulations of the approvals process. Thus for example, special requests from legislators regarding the number and type of projects in their area, or an environmental organization's concern regarding the status of particular projects or public hearing schedule may quickly be retrieved and reported.

Federal and Other Types of Reporting. Increasingly, regulatory activities often require the reporting in summary tabulations to federal agencies, legislature, councils, commissions and boards the results of the permitting or regulatory process. Increasing concern about the efficiency

and effectiveness of review procedures result in greater attention being focused on these summary reports. Through H-PASS, the production of monthly, quarterly, or yearly summary information about the final disposition of active permits may be reported in whatever format desired to facilitate both regular and special types of reporting needs.

Monitoring. Part of the Department of Planning and Economic Development's responsibility as lead agency for the Hawaii CZM Program involves the mandate to monitor federal, state and county agencies for compliance with the objectives and policies of Chapter 205A, HRS, the Hawaii CZM law. This monitoring responsibility includes the review of permit and other approval actions by the various agencies having coastal-related responsibilities. The H-PASS network will facilitate the retrieval of such monitoring information as may be necessary by the ready access to permit data with minimal disruption to ongoing agency operations.

Internal Agency Efficiency and Operational Capabilities

The extensive nature of the administrative and regulatory processes today places ever greater demands on the typical agency's professional and support staff. The overall increase in information needs, coupled with a recent trend of reluctance of government agencies to hire more staff, will inevitably result in greater workloads, slower response time, and less efficient operations. In the long run, the automated capabilities of the H-PASS design as an integrated word processing and data processing system will operate to the mutual benefit of both clerical support staff and the professional staff by increasing their capabilities for coping with information demands.

Word Processing. For the support staff, the word processors located at each of the user agencies will facilitate the typing, editing, and compilation of lengthy reports, the assembly of repetitive letters and documents, and the filing and storage of materials produced. The word processors in the H-PASS network consist of a standard typewriter keyboard with a video screen onto which text is entered and edited. Additional keys and operations including math and sort capabilites (subsequently explained) will facilitate the manipulation of text and numbers. Creating, updating, and computing agency budget and expenditures are enabled with the math functions on the word processors. Agency logs of permits and files, once entered, may be manipulated in a variety of fashions, with

subsets of log entries or re-ordering of the log easily accomplished. The result is more efficient administrative record-keeping. In effect, what may ordinarily be minor data processing operations may be routinely accomplished through each agency's word processing workstation.

Data Manipulation and Statistical Analyses. For the agency's professional staff, data processing capability will enable management tracking of applications, generation of report summaries of permit actions, and data manipulation and analysis. The H-PASS computer will be in communication with the University's main computer, which will allow networked agencies access to the various statistical packages available.

2. H-PASS System Design

The overall design concept for H-PASS involves a network of word processors located at user agencies and which are linked through telecommunications to a central computer. At each of the user agencies, data (e.g. permit information, land use inventory parcel information, and text) would be entered into the user's word processor and then transmitted to the H-PASS host computer for storage.

Special H-PASS programs, referred to as subsystems, will perform the tasks of passing data to and from the central computer. The Data Entry subsystem handles initial creation of application data, and the Update subsystem handles revisions. The user agencies would be able to request reports through the Reporting or Inquiry subsystems of the host computer. The host computer will manipulate the data and send the information back to the user agencies. Data entry and updating will be performed by user-agencies on the word processing or remote terminals.

The hardware (physical devices) of H-PASS consists of (1) a network of word processors and remote terminals which are capable of communicating over telephone lines with a central computer, (2) the central computer and its associated devices, and (3) equipment to provide communication capabilities between the word processors and the computer.

The word processing stations located at user agencies will have moderate storage capacities, a printer, and some sorting and mathematical capabilities. The central processing unit at the University will be supported by a moderate disk storage capacity, tape drive backup, three workstations, and be linked to the University's Computing Center for added capabilities.

The system software (computer programs) consists of (1) programming languages, (2) operating system programs which control the operation of the computer system, (3) general purpose utility programs for manipulating data, (4) programs written to provide H-PASS users with certain general capabilities (such as entering or retrieving data), and (5) programs tailored to each specific H-PASS application (such as SMA permit processing).

Three types of reports will be provided for by the system: standard reports, inquiries, and special reports. Standard reports will be both generated by the user-agencies through the report programs or by mailed reports provided by URPP. Inquiries which allow agencies to search a data base for cases meeting certain criteria or having certain characteristics will be provided for on a limited basis. However, this capability will not be immediately available. Inquiry will be developed in later phases of system development. Special reports will be generated by H-PASS staff to respond to the unique needs of agencies. This service, however, will also not be immediately available and will be dependent on the available resources of system staff.

Although networks of computer terminals serviced by a central computer are common, the use of word processors as user terminals is an important and innovative aspect of the H-PASS design. A word processor terminal has important "stand-alone" capabilities which are available to the user even when the word processor is not connected to a computer. A conventional computer terminal, referred to herein as a remote terminal, has much more limited capabilities. Most remote terminals must be in communication with a computer to provide any useful functions.

Most agencies which will be a part of the H-PASS network will be using word processors instead of remote terminals. The use of word processors as terminals instead of remote terminals was provided for in this design for several reasons. First, the costs of telecommunications to the neighbor island county planning departments, if handled through remote terminals, would be considerable. Second, the use of word processors would provide user agencies with limited data handling capabilities which would be valuable even when their word processor was not communicating with the central computer. Third, the applications proposed for H-PASS require text transmission which would have to be re-entered if a remote

terminal were used. Fourth, the general word processing capabilities and mass mailing and budgeting capabilities support other objectives of the HCZM Program.

It should be noted that, though the DPED Capital Improvements Program will be serviced by a remote terminal, it will also have available a word processor unit which will provide all of the telecommunications and "stand-alone" capabilities of those agencies exclusively using the word processors. The H-PASS central computer provides the necessary software to allow easy transformation of data and text between the "computer format" of information storage and the "word processing format" of information storage. Thus the information contained in the Capital Improvements Program will be available to users through the H-PASS central computer as well as directly between the Capital Improvements Program users and the agencies exclusively using the word prcessors.

When fully developed, the H-PASS will involve a collection of at least seventeen separate and discrete applications sharing a host computer and software. Each of these applications will have its own independent data file (or files), its own tailored reporting programs, and its own unique output reports. The system will have shared programs or subsystems, however, to perform many of the H-PASS functions such as Data Entry/Update, Reporting, Inquiry, Word Processing, and Electronic Mail.

3. Users and Applications

H-PASS User Network

The creation of a telecommunications network linking H-PASS users is a key concept of the H-PASS system.

The network will facilitate the flow of information such as documents, messages, and memoranda, and will support data collection, analysis, and retrieval. The network will also facilitate the lead agency's monitoring responsibilities for CZM permit activities since current data on CZM-related permits will be maintained by the system.

The proposed H-PASS network is illustrated in Figure 1. It will consist of user terminals linked to a central, or host, computer. User terminals will be located at each of the county planning departments and at several state agencies, including

DPED. Users will be able to send data to and receive data from the host computer by means of telecommunications.

In addition, the host will be capable of communicating with other computers such as the IBM 370/158 at the University of Hawaii Computing center (UHCC). The host's communication with larger computers extends the potential of H-PASS to include capabilities not available on the host computer, and would permit authorized acces to data bases stored on other computers. For exzample, H-PASS users will have acces to general-purpose programs such as SPSS (Statistical Package for the Social Sciences), SAS (Statistical Analysis System),, and TPL (Table Producing Language) which are implemented by the University of Hawaii IBM 370/158. They may also have access to data stored on other computer data bases available for public use.

II. OVERVIEW OF THE CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS

A. Background

B. The Capital Improvements Project Information System

II. OVERVIEW OF THE CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS

A. Background

The Capital Improvements Program (CIP) is the principal management system for infrastructure development in the State of Hawaii. Through the Capital Improvements Program, the State expends monies for the development and improvement of highways, school buildings, park facilities, and other construction related projects. The Capital Improvements Branch of the Planning Division in the Department of Planning and Economic Development is responsible for the ongoing review of CIP allocation requests and expenditures. This responsibility may be generally understood to constitute the State Administration's review and approvals processes for the construction-related projects.

The significance of the CIP projects to the Hawaii Permit Application and Support System is that coastal infrastructure influences the development patterns in any particular geographical unit. The presence or absence of infrastructure is often the determining factor in allowing or disallowing development. To the extent that there are available sewage, roads, water, and other necessary public facilities such as parks, development generally occurs. Thus, CIP projects are important in the management and understanding of coastal activities.

There are approximately 1300 to 1500 actions taken yearly for major and minor construction projects. These projects involve substantial amount of dollars of federal, state, and county funds. Because of the importance of the approvals process to the state, the management of information in the approvals process is critical.

B. The Capital Improvements Project Information System

To assist in the administration of the CIP Program, DPED developed a computer-based information system to assist staff and decision makers in the management, tracking, and reporting of CIP projects. This system, which has been operational for the past ten years, provides the basic structure around which the CIP/HPASS system will be implemented.

The Capital Improvements Projects System (CIPS) was originally developed in 1970 to assist in the administration of the state Capital Improvements Program. The CIPS was developed by KENTRON INTERNATIONAL, Incorporated in the early seventies. Since then, Kentron closed its data processing section, leaving the CIPS operation to INFODATA, Incorporated, a company formed by former Kentron personnel who designed earlier portions of CIPS.

1. Overview of Existing System

The following is a description of the CIPS as presently implemented on the INFODATA system.

The CIPS is composed of three different systems of programs and associated data bases, and provides the DPED with a range of data entry/update, standard reporting, and inquiry capabilities. These three systems have different names, "driver programs," data bases, and reporting capabilities. They are not integrated as a single data base management system. Although each of these systems are discrete, they will here be collectively be referred to as the "CIPS" system.

The CIPS presently operates on a time-shared Hewlett-Packard 2000 computer located at Infodata Corporation. Communication is over dial-up lines at a rate of 300 baud. The user hardware consists of an asynchronous mode teletype terminal and associated modem located at DPED. Certain short reports and inquiries are displayed and printed at DPED. Other reports which require a 132 character printer are printed at Infodata and delivered to DPED.

The CIPS system is documented in three major reports and user manuals. These manuals, although somewhat dated, remain the operational guides for the CIPS system. Readers are encouraged to review each of these documents in order to understand the existing CIPS system. The documents are appended to this report. (See Appendix E)

1. Claude Takanishi, Capital Improvement Projects System. Hawaii: Kentron International, Inc., 1975.

2. Dennis Koo and Rhonda Kubota, Expenditure Status System for CIP Projects: (ESSCIP). Hawaii: Kentron International, Incorporated. 1976.

3. Unknown, Construction Status System.

2. The CIPS System as Implemented with INFODATA

As noted earlier, CIPS consists of three different systems and associated data bases. The first system is called the "Capital Improvement Project Systems" (CIPS) and consists of information relating to appropriation and allotment of expenditures. The second system is called the "Expenditure Status System for CIP" (ESSCIP) Projects. This system manages information relating to expenditures by agencies toward their projects. Finally, there is the "Construction Status System" (CSS) which deals with information pertaining to the status of construction projects. Below is a brief description of each of these systems and its associated data base.

a. Capital Improvements Project System

The CIPS is a financial reporting system for the record-keeping of CIP appropriations and allotments. For each appropriation of a CIP Project, a log is kept of the allotment approved by the Governor. The balance of unallotted funds is maintained for each appropriation.

The CIPS System Design is based on the use of two types of data records. Each record type is kept in a separate file. The first type of record is the appropriation "header" record for the project. There are actually four groups of data fields, called "strings", per header record assigned to an Appropriation.

The Header record contains the following information:

String Number	Field Name	Start Column	End Column	Total Columns	Description of the Field
1	POINT	1	2	2(N)*	Pointer to the First Trailer
2	YEAR	1	2	2(N)	Calender Year of the CIP ACT
2	ACT	3	5	3(N)	CIP Act Number
2	ITEM	6	12	7(N)	Item Number
2	ISLAND	13	13	1(N)	Island
2	JDIST	14	14	1(N)	Judicial District
2	CTRACT	15	17	3(N)	Census Tract Where Activity is Taking Place
2	DEPT	18	18	1(A)	User Agency
2	DIVISION	19	19	(1)(A)	Division Within User Agency
2	FUNCTION	20	20	1(A)	Function of Particular Appropriation
3	TITLE	1	65	65	Title of CIP Appropriation
3	FY	66	67	2(N)	Fiscal Year of the Appropriation
3	REPDIST	68	70	3	Representative District
4	AAMOUNT1	1	8	8	Appropriation Amount #1
4	FUNTYP1	9	9	1	Funding Type #1
4	AAMOUNT2	10	17	8	Appropriation Amount #2
4	FUNDTYP2	18	18	1	Funding Type #2
4	AAMOUNT3	19	26	8	Appropriation Amount #3
4	FUNDTYP3	27	27	1	Funding Type #3

The Header Records describe the type and location of the project for which the appropriation was made, the amount and source of the funds, and contain pointers to trailer records which describe the release of funds to the projects by Allotment Advices.

The Trailer Record consists of three strings of information. The first string is a pointer which contains the location of the next trailer record. The remaining two strings describe the Allotment Advice - its assigned number, date, amount, funding type, purpose, and related comments. This trailer record has also been adapted for use in the Capital Improvements Review Process to document any transferral of funds or any change in means of financing the project, but as an expediency the documentation is performed through use of the comments field and does not fully meet the users' needs.

The trailer records contains the following information:

String Number	Field Name	Start Column	End Column	Total Columns	Description of the Field
1	POINT	1	2	2(N)*	Pointer to the Next Trailer
2	AANUM	1	3	3(N)	Allotment Advice Number
2	AADATE	4	7	4	Date of Allotment Advice
2	AAMOUNT	8	15	8	Allotment Amount
2	AAFUND	17	17	1	Allotment Funding Type
2	PURPOSE	18	18	1	Purpose of Allotment
3	COMMENT	1	30	30	Comments

Since there may be a variable number of allotments associated with a given header record (appropriation), trailer records are used to record allotment advice information. This approach is more efficient than the alternative of carrying a fixed number of allotment advice fields within the appropriation header record.

b. Expenditure Status System for CIP Projects

The Expenditure Status System for CIP Projects (ESSCIP) was designed for the use of DPED to maintain information on the projected expenditures of agencies toward their respective CIP projects to be compared with the data stored on the appropriated amounts for each department. (The actual expenditures of the projects are managed by the Department of Accounting and General Services). These data enable the DPED to perform financial planning of projects within given fiscal years.

As with the CIP System, ESSCIP utilizes header and trailer records for all expenditures. Once data is in the ESSCIP, the DPED CIP staff can produce reports and perform inquiries on the system.

The header records contain the following information:

String Number	Field Name	Start Column	End Column	Total Columns	Descriction of the Field
1	POINT	1	2	2(N)*	Pointer to the First Trailer
2	FY	1	2	2	Fiscal Year-enter year end
2	AG	3	3	1(A)	Agency Number- (A-Z)
2	PN	4	18	15	Project Number-(15 Char. Max.)
2	PR	19	21	3	Priority Number
2	N1	22	27	6	Spare Number (unused space)
2	TP	28	28	1	Project Type
3	PT	1	72	72	Project Title
3	S1	73	80	8	Spare String (unused space)
3	RD	81	83	3	Representative District

The Header Records describe the type and location of the project, the amount and source of the funds, and point to trailer records which describe the proposed expenditures for the project.

The Trailer Record consists of three strings. The first string is a pointer which contains the location of the next trailer record. The remaining two strings describe the details of the proposed expenditure on the basis of the Account number and the Act/Year/Item number.

Record Number	Field Name	Start Column	End Column	Total Columns	Description of the Field
1	POINT	1	2	2(N)*	Pointer to the First Trailer
2	AG	1	2	1	Agency Number (A-Z)
2	PN	3	17	15	Project number
2	AY	18	22	5	ACT/YR-(First 3 Char.=ACT,Last2 Chars.=YR, do not enter '/')
2	IN	23	30	8	Item Number
2	PH	31	31	1	Phase-(L,P,C,E)
2	DT	32	37	6	Allotment Advice Date (MMDDYY)
2	AA	38	41	4	Allotment Advice Number
2	AM	42	47	6	Authorization Amount (in thousands of dollars)
2	CA	48	53	6	Current Fiscal Year Amount

Record Number	Field Name	Start Column	End Column	Total Columns	Description of the Field
2	Q1	54	58	5	First Quarter Amount (in thousands of dollars)
2	Q2	59	63	5	Second Quarter Amount (in thousands of dollars)
2	Q3	64	68	5	Third Quarter Amount (in thousands of dollars)
2	Q4	69	73	5	Fourth Quarter Amount (in thousands of dollars)
3	NA	1	5	5	Next Fiscal Year Amount (in thousands of dollars)
3	FA	6	10	5	Future Fiscal Year Amount
3	N2	11	16	6	Spare Number (unused space)
4	FS	1	1	1	Funding Status (X,Y,Z)
4	FC	2	2	1	Funding Code
4	S2	3	26	24	Spare String (unused space)
4	AN	27	32	6	Account Number
4	AAFUND	33	33	1	Allotment Funding Type

Since there may be a variable number of proposed expenditures associated with a given header record (project), trailer records are used for efficiency of storage.

c. Construction Status System

The Construction Status System (CSS) is a reporting system for the construction status of CIP projects. For each on-going project a record is kept of the cost, estimated starting date for design, dates for start and completion of construction, and other related information.

Unlike the other CIPS sub-systems, the CSS does not use header and trailer records.

The CSS Record contains the following information:

String Number	Field Name	Start Column	End Column	Total Columns	Description of the Field
1	AG	1	1	1	User Agency Code
2	AS	2	2	1	User Agency Subdivision Code
3	YR	3	4	2	Year
4	SN	5	9	5	Sequence Number
5	DN	10	19	10	Department Number
6	EC	20	20	1	Expending Agency Code
7	IS	21	21	1	Island Code
8	JD	22	22	1	Judicial District
9	CT	23	25	3	Census Tract
10	FC	26	26	1	Function Code
11	SF	27	32	6	State Fund
12	CF	33	38	6	County Fund
13	FF	39	44	6	Federal Fund
14	PF	45	50	6	Private Fund
15	TF	51	57	7	Total Fund

16	DD	58	61	4	Start Design Date
17	CD	62	65	4	Start Construction Date
18	PD	66	69	4	Completion Date
19	PS	70	70	1	Project Status Code
20	PT	71	140	70	Project Title/Description
21	CO	141	190	50	Comments
22	FI	191	193	3	Representative District
23		194	199	5	Optional Use

III. H-PASS SYSTEM FUNCTIONS RELATED TO THE CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS

A. Data Entry/Update Subsystem

B. Reporting Subsystem

C. Word Processing Function

D. Electronic Mail

E. H-PASS Functions Related to the CIP Application

III. H-PASS SYSTEM FUNCTIONS RELATED TO THE CIP REVIEW PROCESS

The Hawaii Permit Application and Support System must perform a range of functions to meet the multiple objectives of permit tracking, monitoring, and coordination. The system must provide for a relatively easy method for transmitting and maintaining information about permits. It must allow for the easy development and sharing of standard reports, specialized inquiries, and special reports. And, it must provide for creation and transmission of general documents.

To perform these functions, the H-PASS will have several discrete subsystems to support the user. "Subsystem" is a term which refers to a functional routine which is part of a larger system.

The H-PASS will consist of four major subsystems: (1) Data Entry/Update, (2) Reporting, (3) Word Processing, and (4) Electronic Mail. The capabilities of each of these subsystems are described below.

A. Data Entry/Update Subsystem

Information for storage on the H-PASS will be entered by the user agency through the Data Entry/Update Subsystem.

The subsystem will provide formatted screens for data entry at remote terminals. Formatted screens are pre-defined information forms displayed on the user's terminal. The user fills in the fields which are provided on the screens - each field being of a predetermined length. A draft set of formatted screens for the CIP to add and update information is provided in Part V.

One or more of these screens will be provided for each distinct type of application. Because remote terminals are used, data entry screens can be called through the execution of a driver program (menu). Once the screens are up, the users will enter the data which will be transmitted to the computer for processing. In this approach, data will be stored or changed directly on a disk file.

The central computer system or "host" will perform a validation check on the data received, to ensure that all required data is present and there are no invalid or inconsistent code entries. If errors are found, the host will send the user appropriate error messages so the user can correct and resubmit the data. Once the data is verified, it is stored in the appropriate file on the host system.

The general process for updating application records is as follows -- (1) the user will execute an "update" option at the remote terminal, (2) the remote terminal will display the formatted data entry screen(s) on the record requested or provide a blank set of screens for new data input, (3) the user will perform the necessary editing and updating of the record on the remote terminal, and (4) the remote terminal will transmit the updated record back to the host for validation and storage. When the data is verified, the application record on the host file will be updated, and the user is free to select the next record for updating, or to select to add/delete another record to/from the data file. The total cycling time for the update of single record once it has been entered into the remote terminal to the time when the user is allowed to enter another command has been tested to be between five to six seconds, using a 9600 BAUD modem over a private telephone line.

A generalized model of the Data Entry/Updating activities with a typical permit process is illustrated in Figure 3.1.

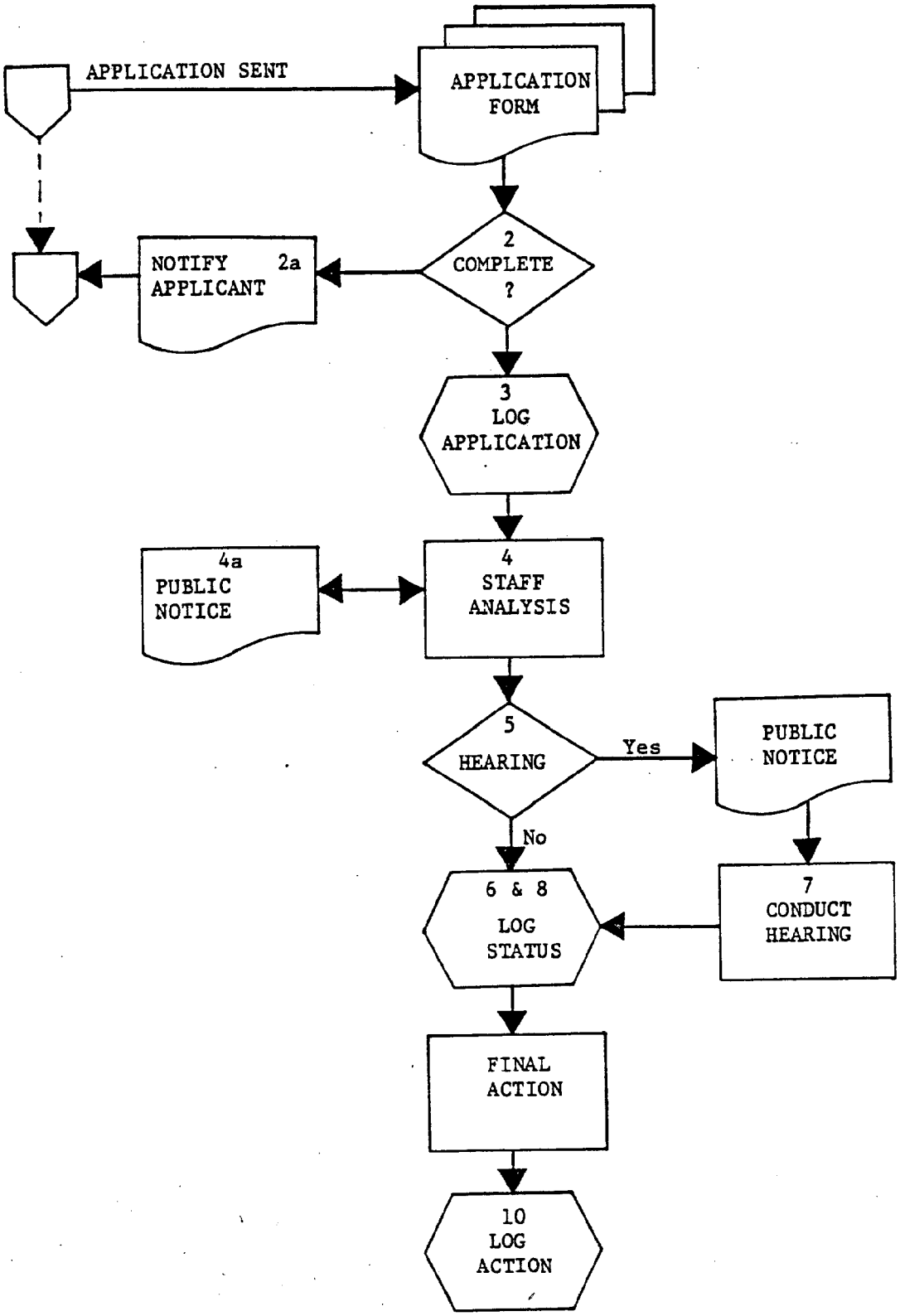
The first use of this subsystem will occur when an Appropriation is received. At this time, the Data Entry/Update Subsystem will be used to ADD a computer record to the H-PASS. The purpose of this record is to document that an Appropriation has been recorded by DPED/CIP.

Subsequent acceses to the record will occur when an Allotment has been made by DPED/CIP, specific Project information has been received by DPED/CIP, or a Project Expenditure Plan has been recorded by DPED/CIP.

The updates of the computer record will enable other agencies to obtain reports on the status of various Capital Improvements projects as they move through the various cycles toward completion.

FIGURE 3.1:

GENERAL PROCESS FOR H-PASS
ENTRY/UPDATE



B. Reporting Subsystem

There are basically three types of reports which will be made available through the H-PASS system, (1) standard reports, (2) inquiries, and (3) special reports from computers other than the H-PASS host computer. Each report type is discussed below.

Standard Reports

The Reporting Subsystem will provide standard reports to users on a scheduled basis - weekly, monthly, or annual - or upon request. The frequency of reporting will be based on user needs as identified in the application design process. These reports will indicate the status of permits, provide management information, and provide monitoring information for DPED.

The number of standard reports will vary by application. For land development projects, there are essentially five types of standard reports which will be developed. These include (1) a list of new projects by geographic areas; (2) project phase dates, (3) a year-to-date listing by geographic area of projects and their disposition, (4) a listing of projects involving potential coastal impacts; and (5) other specialized reports, such as listings of conditions attached to funding and the expiration dates of the appropriated funds.

Different types of reports will be developed for H-PASS applications which do not involve permits- such as a listing of historic sites by Tax Map Key (TMK) Parcel, Cultural Resources Activities by TMK Zone and Section, and tables which cross-tabulate State Land Use Districts by County Zoning.

The number of agencies receiving these standard reports will also vary by report. Some reports will be limited to a few agencies, others will have wide dissemination. The specific agencies receiving various reports will be determined through the application design cycle. Thus far, the following agencies have been identified as receiving reports:

Department of Planning and Economic Development

Planning Division

State Plans Branch
Coastal Zone Management Program
Special Plans Branch

Land Use Division

Economic Research and Analysis Division

Department of Land and Natural Resources

Planning Office

Historic Sites Division

Department of Health

Pollution and Technical Control Division

Department of Transportation

Office of Environmental Quality Control

County of Hawaii

Planning Department

County of Kauai

Planning Department

County of Maui

Planning Department

City and County of Honolulu

Department of Land Utilization

Inquiries

The second type of report will be those which are developed through inquiries. H-PASS will provide for limited inquiries by a user, and because the Capital Improvements Program will be using a remote terminal, the benefits of these specialized inquiries should be readily available to the user.

The Inquiry Subsystem will provide the capability to produce tailored reports using H-PASS data, in response to user requests transmitted from the user's remote terminal.

The user will provide the necessary report keys to define the types and ranges of data to be included in the report retrieval. Based on a summary level inquiry, the user may then decide to request standard application profile reports to review specific permits in more detail.

There are numerous inquiry capabilities which might be considered, but the economics and technical feasibility of the H-PASS project require that the scope and depth of the Inquiry Subsystem be carefully defined. For the remote terminals, the Inquiry Subsystem will be accessed through a set of Procedures and Menus designed to pass the necessary information to the host computer for performing the inquiry requested.

Specialized Reports

Specialized reports are those reports requiring the use of statistical packages at the University of Hawaii Computing Center. This type of report will be especially useful for yearly summary reports, special cross-tabulation reports, or for time series analyses.

C. Word Processing Functions

(Presented here so that the reader will have a greater understanding of the various user-options presented by the H-PASS)

One of the key concepts of the H-PASS is the use of word processing units as user terminals within the telecommunication network. Although the H-PASS staff is presently re-evaluating the use of WP's for Oahu installations, WP's remain a significant part of the H-PASS system and avoid the high telecommunication costs which would be associated with interactive-mode terminals for outer island installations.

The use of WP's also increases the usefulness of the user terminal to perform important tasks when not in direct communication with the host computer. The capabilities of the word processor for creating and manipulating text data will be used by a variety of users including both secretarial and professional staff.

In addition, powerful "sorting" and "math" capabilities will enable agencies to perform internal tracking of activity deadlines, budgets, and will facilitate other useful management functions.

Word processing capabilities will be provided both at the user locations and at the host computer. The user terminals are word processors, and the host computer's word processing capabilities will be provided by software available from the computer manufacturer.

D. Electronic Mail Subsystem

The Electronic Mail Subsystem will provide the important capability for sending and receiving messages, documents, and memoranda to others within the H-PASS network. This capability will facilitate communication and coordination among the agencies served by H-PASS.

The host computer will provide the capability for routing "mail" to users within the system. Messages could be created at either the host or user terminals. Documents for transmission would have to be available either from a word processor file or from the host computer's files.

One important application which is presently under investigation is the use of the Electronic Mail Subsystem to maintain a general notice of public hearings and meeting for all agencies. Such an application would be of considerable value in keeping agencies informed about governmental activities.

In addition, agencies with word processing terminals will be able to transmit messages and documents to other agencies without having to utilize the computer. This will be accomplished through a direct dial-up to the user agency and transmission of a system disk file from one word processor to another.

E. H-PASS Functions Related to the CIP Application

Although the primary purpose of this section is to outline the general system functions for the H-PASS Capital Improvements Program System, it is important to note that two major design alternatives were considered in the integration of the CIP Program into H-PASS. These will be discussed in greater detail in the Section on System Design.

The two alternatives which were considered for the CIP tracking component of the Hawaii Permit Application and Support

System were (1) developing interfaces between the H-PASS System and an upgraded version of the existing CIPS and (2) implementing an upgraded version of the CIPS on the H-PASS system.

The latter alternative is recommended, and is the approach preferred by the user agency (DPED). Under either alternative, upgrading of the existing CIPS system would be required to provide data elements needed for linking CIP projects to geographical locations, particularly those which are significant for coastal zone management program purposes. Among these are Tax Map Key fields, an SMA key to indicate whether or not a project lies in a Special Management Area, and Activity Type codes to classify coastal projects proposed or in progress as part of the state's Capital Improvments Program.

Development of the CIPS on the H-PASS computer is recommended to save the monthly charges now incurred by DPED in operating CIPS through Infodata's time-shared system, to avoid the need for cumbersome exchanges of data between the H-PASS and INFODATA systems, and to take advantage of the H-PASS computer's superior file management and "menu" screen capabilities. The design described herein incorporates the additional data fields and retrieval keys necessary to integrate the CIPS into the H-PASS coastal zone monitoring system, and also provides linkages between the CIPS subsystems which are lacking in the CIPS version implemented on the Infodata system.

Additional resources would be made available to the H-PASS staff by the DPED since developing the master CIP system would involve some work beyond what was originally envisioned for H-PASS. In particular, an additional disk drive will be needed to accomodate the on-line memory storage requirements of the Capital Improvements Program. The additional disk drive is necessary due to the volume of data that is stored in the CIPS.

In addition, because of the number of daily update, case reviews, and inquiries required by the CIP staff, the original strategy of utilizing word processors to link with the H-PASS has been modified to include remote 3270 terminals for use in the CIPS application. The use of 3270 remote terminals as part of the H-PASS system will provide a useful opportunity to compare the use of word processors versus remote terminals for linking users to the H-PASS computer.

IV. INFORMATION FLOWS--FLOWCHARTS AND DESCRIPTIONS OF THE CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS

A. Site Selection Cycle

B. Site Acquisition Cycle

C. Planning Cycle

D. Design Cycle

E. Construction Cycle

F. Equipment Cycle

IV. INFORMATION FLOWS: FLOWCHARTS AND DESCRIPTIONS OF THE CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS

What follows is a description of the CIP Review Process. The CIP review process has essentially six different approval/review cycles. The steps in these cycles are described here along with a diagram which illustrates the overall information flows and cycles.

There are three parts to this flow chart. Figure IV-1 shows the Overview of the CIP Process with reference points indicating the beginning of cycles depicted in more detailed diagrams. These detailed diagrams comprise the third part of the flow chart. They consist of:

A. Site Selection Cycle

B. Site Acquisition Cycle

C. Planning Cycle

D. Design Cycle

E. Construction Cycle

F. Equipment Cycle

Figure IV-2 depicts the Allotment Advice Execution Cycle. Since this cycle is repeated throughout the entire pro- cess, it is referred as a single process in the detailed diagrams with a unique symbol.

Overview of the CIP Process

1-2 The CIP process begins when the DPED receives the enacted legislative bills appropriating funds for capital improvement projects.

3 The DPED logs in their appropriations on the CIP appropriations log. For new projects, the log-in will create a new record. For projects previously funded, the log-in will update an existing record. No further processing follows until an expending agency requests the release of appropriated funds.

4 When an expending agency makes a request for release of funds, it must determine if a site for the project is available and if a master plan has already been prepared for the project.

5 If no site is available, the expending agency must go through a Site Selection Cycle (A).

6 After the Site Selection Cycle (A), the expending agency determines if the site must be acquired. If the site need not be acquired, as in the case of State owned lands, the Design Cycle (D) may be initiated, providing that a master plan has been prepared.

7 If land must be acquired, the expending agency will proceed to the Site Acquisition Cycle (B). After acquiring the land, the expending agency may proceed to the Design Cycle (D), providing that a master plan has been prepared.

8 If the master plan has not been prepared, the expending agency must prepare a master plan and a development plan in the Planning Cycle (C). This process may be initiated during Site Selection and Site Acquisition Cycle, however, the plans cannot be completed until the proposed site is known.

9 After a site is available and a master plan has been prepared, the Design Cycle (D) will proceed.

10 The Design Cycle is followed by the Construction Cycle (E) and the Equipment (Purchase) Cycle (F).

11 This terminates the CIP allotment process.

Allotment Advice Execution Cycle

The Allotment Advice Execution Cycle is repeated throughout the CIP process and is detailed below. In the detailed process diagrams the entire cycle is denoted as a single function.

1 The Allotment Advice Execution Cycle begins when the DPED receives an allotment request from the expending agency. The allotment request may be for any of the activities shown in the six cycles in the CIP process.

2 The DPED logs its receipt in the Planning Division Correspondence Log by creating a new record.

3 The DPED then logs the request in the CIP Correspondence Log by creating a new record.

4-5 The Department of Planning and Economic Development (DPED) reviews the request, prepare an allotment advice if appropriate, and submits recommendations to the Governor.

6-7 DPED forwards the request to the Department of Budget and Finance (DB&F) for their review and comments. A memo of recommendation is also prepared by DB&F.

8-9 The Governor reviews the request along with the recommendations from DPED and DB&F.

10 If the request is disapproved, it is returned to the expending agency with a memorandum from the Governor. This terminates the cycle and further processing on the request. The expending agency may revise its request and resubmit it, starting the cycle over again.

11-13 If approved, the allotment advice is returned to DPED and then forwarded to the expending agency.

14 The DPED logs the approved allotment advice in its Project Appropriation Log through an update.

15 The DPED logs the approved allotment advice in its Program Allotment Record, creating a new record.

16 This terminates the Allotment Advice Execution Cycle, returning the process to the diagram flow.

A. Site Selection Cycle

For a project requiring land acquisition, the expending agency conducts a site selection study based on an E.I.S. study of certain selected sites and predicated on the project development report as a guide for determining the type and size of land that is required for the project.

1-3 The site selection cycle begins when the expending agency submits a request for the release of planning funds for site selection. This initiates the Allotment Advice Execution Cycle.

4 Upon execution of the allotment advice, the expending agency may be required to prepare a project development report. Such a report is required if one had not been previously prepared for the project in the planning cycle. A project development report is not required for minor CIP projects.

5 If a project development report is required, the user agency is requested to, and documents the operational requirements that are connected with the project.

6 A project development report is then prepared by the expending agency with assistance from the user agency which incorporates the operational requirements, space analyses, and other criteria which serve as guidelines for further planning and design.

7 The expending agency prepares the site selection report.

8 The actual site selection process is complex and is not represented in detail. The process does require DPED review and preparation of recommendations as well as final approval by the Governor. No H-PASS function are involved.

9 Return to the Overall CIP Process Diagram.

B. <u>Site Acquisition Cycle</u>

1-3 The site acquisition cycle begins when the expending agency submits a request for release of funds for site acquisition planning. This initiates the Allotment Advice Execution Cycle.

4 The preparation cycle for site acquisition is complex and is not represented in detail. It involves an appraisal, negotiations for acquisition, and possibly condemendation action. No H-PASS function is involved.

5-6 After preparation for the acquisition is completed, the expending agency will submit an allotment request for the balance of the funds that are needed to acquire the site.

7 This initiates the Allotment Advice Execution Cycle.

8 The expending agency arranges for the final payment of the land and transfer of ownership to the State.

9 Return to the Overall CIP Process Diagram.

C. Planning Cycle

1-3 The Master Plan Cycle begins when the expending agency submits a request for the release of funds to prepare a master plan and development plan. This initiates the Allotment Advice Execution Cycle.

4 Upon execution of the allotment advice, the expending agency may be required to prepare a project development report. Such a report is required if one had not been previously prepared for the project in the site selection cycle. A project development report is not required for minor CIP projects.

5 If a project development report is required, the user agency is requested to document the operational requirements connected with the project.

6 A project development report is then prepared by the expending agency with assistance from the user agency which incorporates the operational requirements, space analyses, and other criteria which serve as guidelines for further planning and design.

7 The expending agency prepares a preliminary master plan and development plan which are produced either in-house or with the help of a consultant.

8 These plans are submitted to DPED and the user agency for review. All suggested changes are referred back to the expending agency and incorporated into the final master plan and development plan as agreed upon. Copies of the final report are sent to the Governor, the user agency, and DPED.

9 Return to Overall CIP Process Diagram.

D. Design Cycle

1-3 The design cycle begins when the expending agency submits an allotment request to the Governor for release of funds to engage a consultant in schematic, preliminary and final design. This initiates the Allotment Advice Execution Cycle.

7 The expending agency hires a consultant for designing the project. Working closely with the user agency the consultant prepares a preliminary design proposal that is reviewed and approved by the expending agency.

8 Upon approval of the preliminary design documents, the consultant prepares the preliminary design.

9 The user and expending agencies review the preliminary plans which are then approved or disapproved. If disapproved, the consultant is then expected to make the changes that are required by both agencies.

10 The approved preliminary plan is then sent to DPED for review as to its conformance with the intent of the legislative appropriations.

11 The DPED logs in the plan approval on its Appropriations Log through an update.

12 Upon DPED's favorable review, the consultant prepares the pre-final design.

13 The user and expending agencies review the pre-final design and return it to the consultant with notation of any changes to be made.

14 Return to the Overall CIP Process Diagram.

E. Construction Cycle

1 The construction cycle is initiated when the final design is prepared by the consultant and sent to the expending agency.

2-4 The expending agency submits a request for permission to advertise the project for bids to the Governor, through DPED. The DPED will provide recommendations as necessary or appropriate.

5-8 The request and DPED's recommendations are then sent to the Governor who will approve or disapprove the request. If disapproved, the expending agency will be notified by a Governor's memo.

9-10 If approved, the Governor's approval letter is sent back to DPED and then transmitted to the expending agency.

11 The DPED logs in the approval in its Appropriations Log through an update.

12 The expending agency then engages in the process of soliciting bids from contractors, opening bids, and awarding the construction to the lowest responsible bidder, if appropriate.

13-15 If a favorable bid is received, an allotment request for the construction funds is then prepared by the expending agency. This initializes the Allotment Advice Execution Cycle.

16 Upon receipt of the allotment advice, a construction contract is executed with the successful bidder.

F. Equipment Cycle

1 The Equipment Cycle begins when the user agency engages the services of a consultant to assist in the preparation of a furniture and equipment list.

2-3 The user agency submits the equipment list to DB&F for their review and approval.

4-5 If the equipment list is disapproved, it is returned to the expending agency for revision.

6 If the equipment list and layout plan are approved, they are transmitted to the user and expending agencies.

7 The consultant then prepares the pre-final bidding documents.

8 Both the user and expending agencies review and finalize the bidding documents.

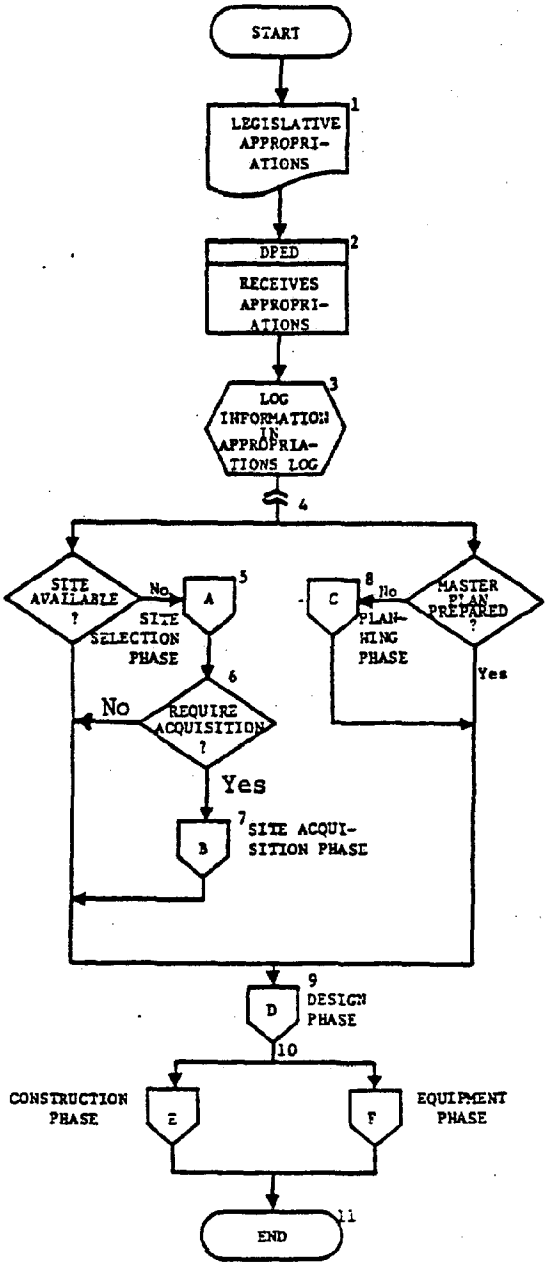
9 The expending agency solicits and receives bids.

10-12 An allotment request for the release of furniture and equipment funds is submitted to DPED. This initiates the Allotment Advice Execution Cycle.

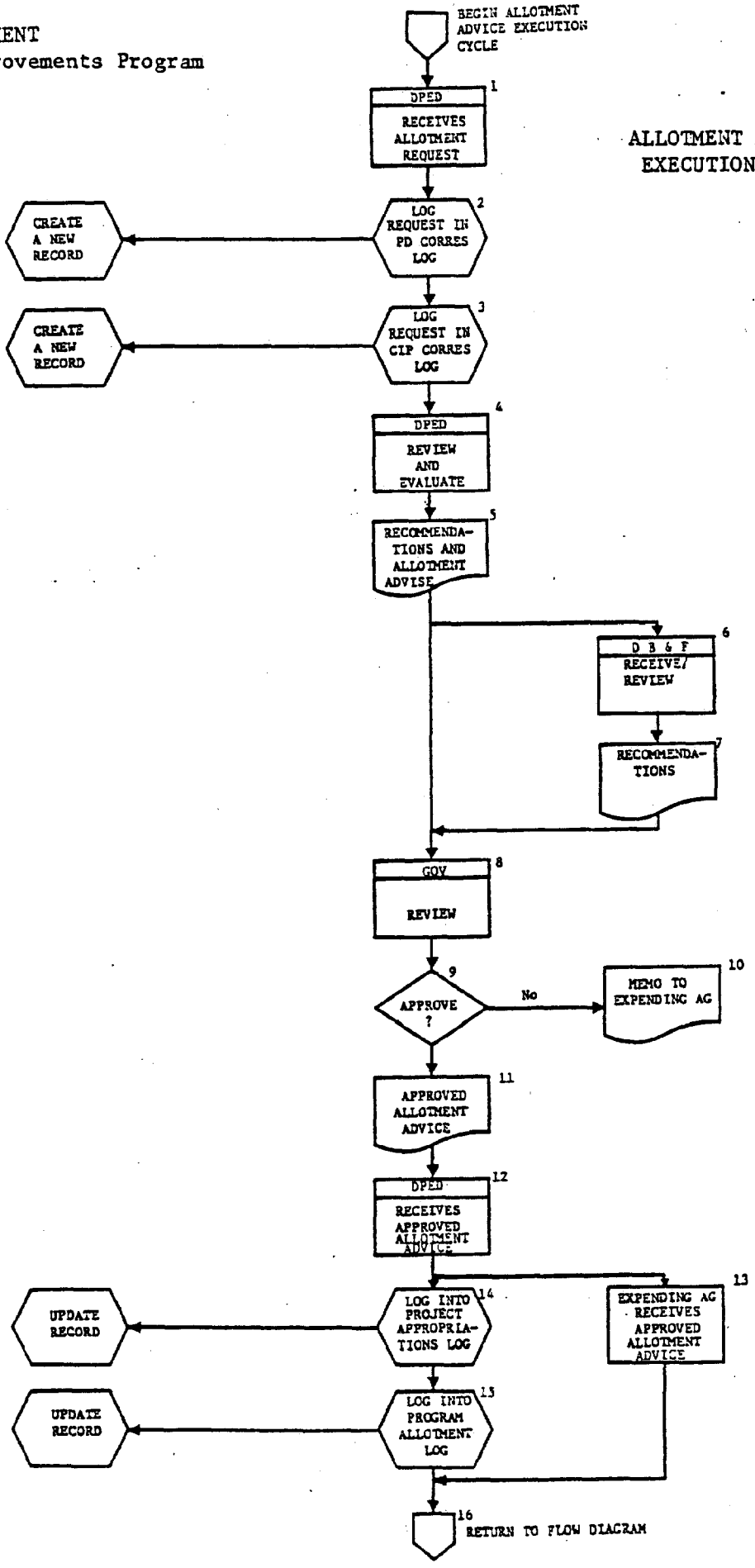
13 The expending agency awards the contract and executes contract documents.

14 Return to the Overall CIP Process Diagram.

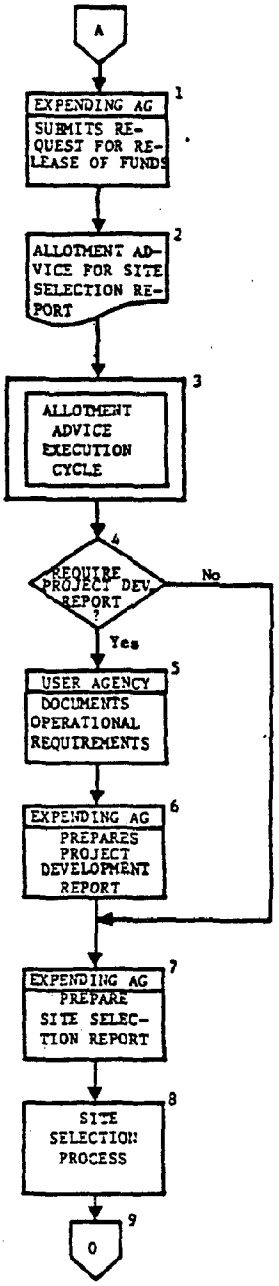
OVERVIEW OF THE CIP REVIEW PROCESS



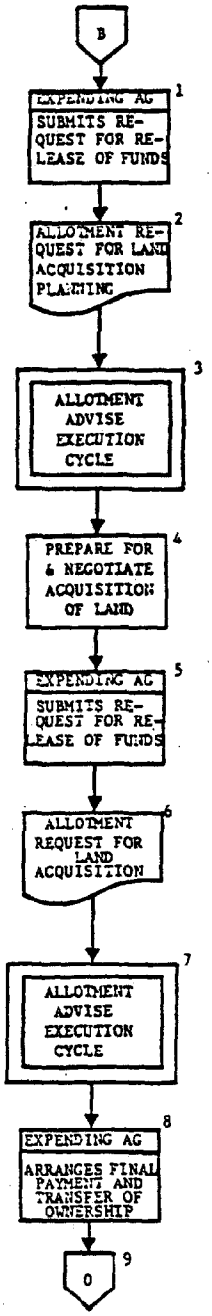
ALLOTMENT ADVICE EXECUTION CYCLE



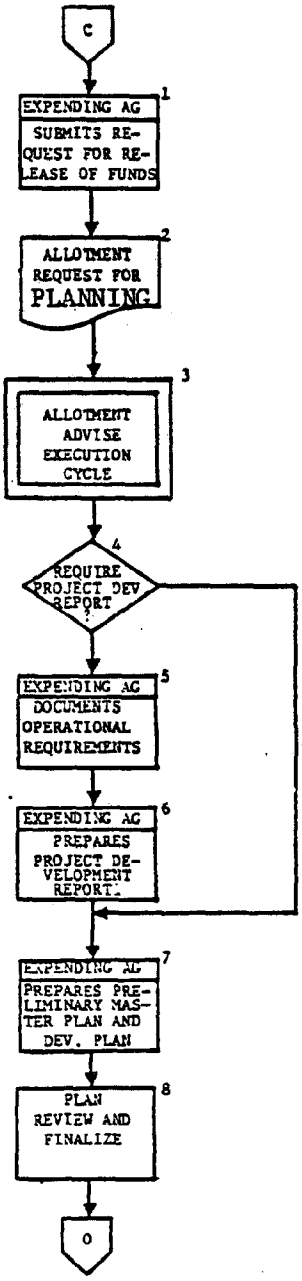
A - SITE SELECTION CYCLE



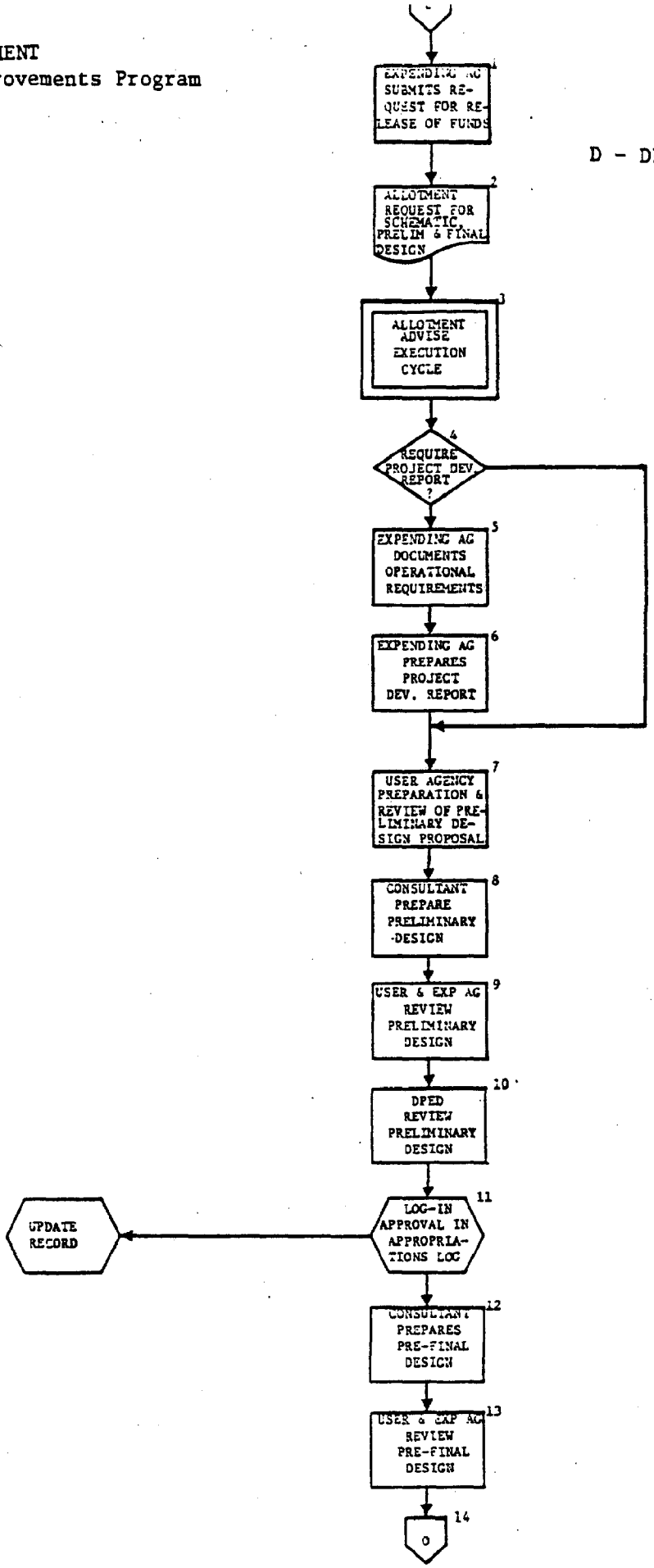
B - SITE ACQUISITION CYCLE



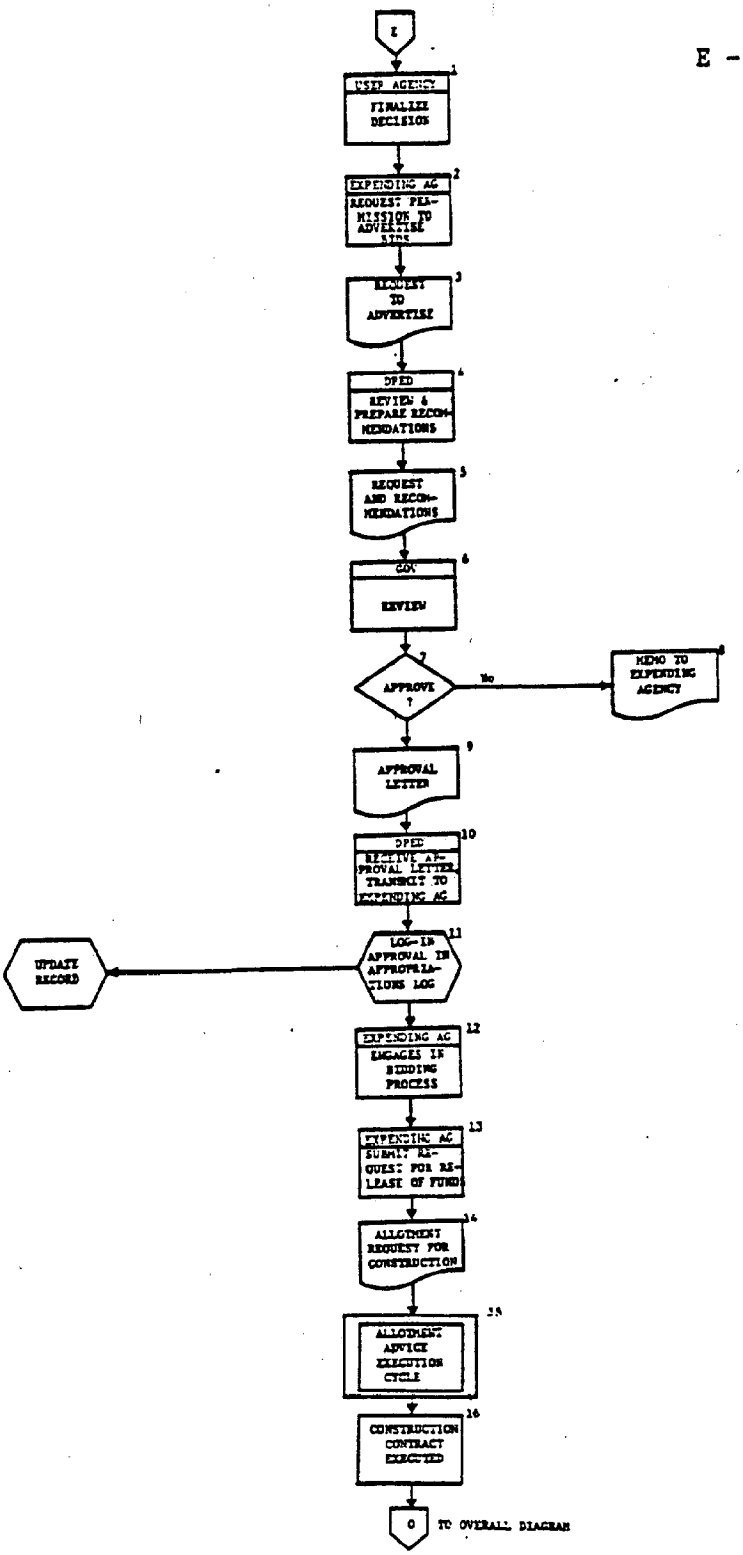
C - PLANNING CYCLE



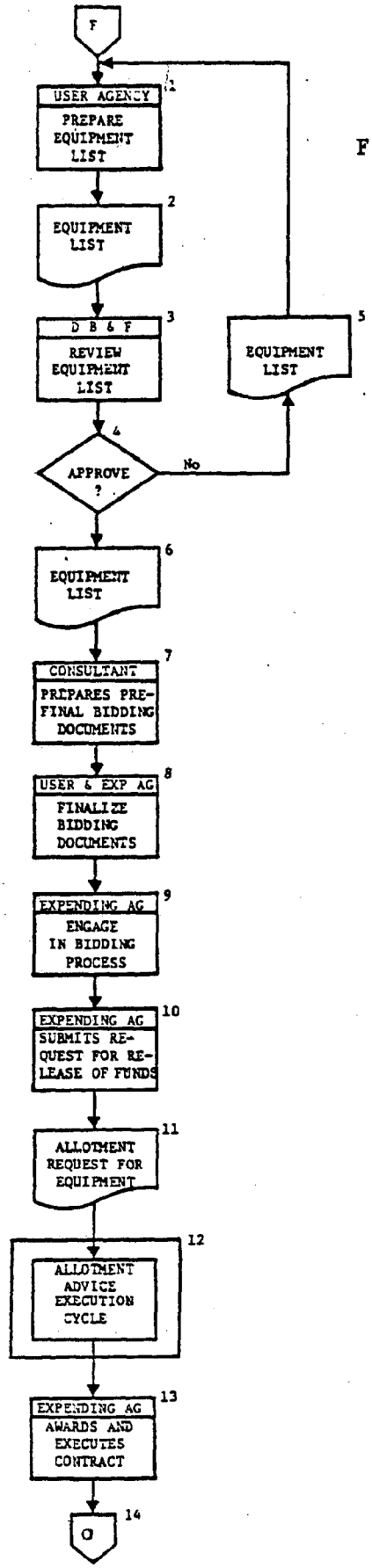
D - DESIGN CYCLE



E - CONSTRUCTION CYCLE



F - EQUIPMENT CYCLE



V. SYSTEM OUTPUTS AND INPUTS

A. Capital Improvements Program Reports

B. Capital Improvements Program Data Entry Screens

Section 1:	DPCIP001	Appropriations and Accounts
Section 2:	DPCIP002	Allotment Advices
Section 3:	DPCIP003	Project Information Construction Status Summary
Section 4:	DPCIP004	Expenditure Plans

A. CAPITAL IMPROVEMENTS PROGRAM REPORTS

DPCIPRO1: SUMMARY OF APPROPRIATIONS AND RELATED ALLOTMENTS

DESCRIPTION

This profile report provides a summary of all the Allotments related to a specific Appropriation as well as an accounting balance summary of funds remaining from the Appropriated amount, legislative purpose of the Appropriation and the area that is affected by the Appropriation. It also provides information on any changes in funding or transferrals of residual funds that relate to the specified Appropriation.

The profile report can be used to answer most public, legislative, or agency inquiries concerning the status of a given Appropriation and its related Allotments. It provides a current, easily accessible source of information presented in a consistent format to serve a variety of management, status monitoring and reporting purposes.

ORGANIZATION

Appropriation specific.

FREQUENCY OF PRODUCTION

On demand.

ACCESS

CIP Branch, Department of Planning and Economic Development.

PRIMARY USERS

CIP Branch.

VARIABLES

CIP Act number, Item number, Calender year of Act, Fiscal year of Act, User Agency/Division, Title of Appropriation, Appropriation function, Amount Appropriated, Balance unallotted, Area of Appropriation effect, Judicial district, Census Tract, Senatoral district, Representative district, Neighborhood board, Tax Map Key, Special Consideration indicators (SMA, Special Design, Flood Hazard, Historical Site), General Comments on District, Allotment Advice numbers, Allotment Advice dates, Account numbers of Allotments, Funding types, Purpose of Allotment, and Allotment amounts.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
APPROPRIATION/ALLOTMENT PROFILE
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PAGE: 999

REPORT DPCIPRO1

REPORT DATE: 99/99/99

CIP ACT NO.: XXXX ITEM NUMBER: XXXXXXXXX YEAR OF ACT: XX FISCAL YEAR OF ACT: XX USER AGENCY/DIVISION: XXXXXXXXXXXXXXX
TITLE OF APPROPRIATION: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX TOTAL AMOUNT APPROPRIATED: $999,999,999
APPROPRIATION FUNCTION: XXXXXXXXXXXXXXXXXXXXXX BALANCE REMAINING: $999,999,999

APPROPRIATION EFFECT: STATEWIDE: X COUNTYWIDE: X ISLANDWIDE: X ISLAND: XXXXXXX JUDICIAL DIST: XXXXXXXXXXX
CENSUS TRACT: XXXXX SENATORIAL DIST: XXX REPRESENTATIVE DIST: XXX NEIGHBORHOOD BOARD: XX
TAX MAP KEY: ZONE: X SECTION: X PLAT: XXX PARCEL: XXX

DISTRICT INFORMATION: SPECIAL MANAGEMENT AREA: X SPECIAL DESIGN DISTRICT: X FLOOD HAZARD AREA: X HISTORICAL SITE: X
COMMENTS ON DISTRICT: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AA NUMBER	AADATE	ACCOUNT #	FUNDING TYPE	PURPOSE	TO ACCOUNT #	FUNDING TYPE	ALLOTMENT AMOUNT
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999
9999	99/99	99999999	XXXXXXXXXXXXXXX	XXXXX	99999999	XXXXXXXXXXXXXXX	$999,999,999

DPCIPR02: PROFILE OF APPROPRIATION ACCOUNTS

DESCRIPTION

This profile report provides a summary of all the Accounts relating to a specific Appropriation. It serves as the major source of information that details the account balancing of Appropriated funds according to the initial amounts and source of the funding, Appropriated purpose of the funds, and expiration date of the Appropriation.

The profile report can be used to answer most public, legislative, or agency inquiries concerning the detailed status of a given Appropriation. It will be primarily used by OPED to monitor the resources available to the Capital Improvements Program.

ORGANIZATION

Appropriation specific.

FREQUENCY OF PRODUCTION

On demand.

ACCESS

CIP Branch, Department of Planning and Economic Development.

PRIMARY USERS

CIP Branch.

VARIABLES

CIP Act number, Item number, Calender year of Act, Fiscal year of Act, User Agency/Division, Title of Appropriation, Appropriation function, Amount Appropriated, Balance unallotted, Funding types, Appropriation account numbers, Amount Appropriated per Project Phase, Balances remaining per Account, Expiration date of Appropriated funds.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
APPROPRIATION ACCOUNT SUMMARY REPORT
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPEMENT

REPORT DPCIPR02

REPORT DATE: 99/99/99

CIP ACT NUMBER: XXXX ITEM NUMBER: XXXXXXXXXX YEAR OF ACT: XX FISCAL YEAR: XX USER AGENCY/DIVISION: XXXXXXXXXXXXXXX
APPROPRIATION FUNCTION: XXXXXXXXXXXXXXXXXXXXX
TITLE OF APPROPRIATION: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX TOTAL AMOUNT APPROPRIATED: $999,999,999
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX BALANCE REMAINING: $999,999,999

APPROPRIATION AMOUNT #1		ACCOUNT NUMBER	AMOUNT APPROPRIATED	BALANCE REMAINING
FUNDING TYPE: XXXXXXXXXXXXXXX	LUMP SUM:	XXXXXXXX	$999,999,999	$999,999,999
	LAND ACQUISITION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
EXPIRATION DATE: XX/XX/XX	PLANNING PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	DESIGN PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	CONSTRUCTION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	EQUIPMENT PHASE:	XXXXXXXX	$999,999,999	$999,999,999
APPROPRIATION AMOUNT #2		ACCOUNT NUMBER	AMOUNT APPROPRIATED	BALANCE REMAINING
FUNDING TYPE: XXXXXXXXXXXXXXX	LUMP SUM:	XXXXXXXX	$999,999,999	$999,999,999
	LAND ACQUISITION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
EXPIRATION DATE: XX/XX/XX	PLANNING PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	DESIGN PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	CONSTRUCTION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	EQUIPMENT PHASE:	XXXXXXXX	$999,999,999	$999,999,999
APPROPRIATION AMOUNT #3		ACCOUNT NUMBER	AMOUNT APPROPRIATED	BALANCE REMAINING
FUNDING TYPE: XXXXXXXXXXXXXXX	LUMP SUM:	XXXXXXXX	$999,999,999	$999,999,999
	LAND ACQUISITION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
EXPIRATION DATE: XX/XX/XX	PLANNING PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	DESIGN PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	CONSTRUCTION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	EQUIPMENT PHASE:	XXXXXXXX	$999,999,999	$999,999,999
APPROPRIATION AMOUNT #4		ACCOUNT NUMBER	AMOUNT APPROPRIATED	BALANCE REMAINING
FUNDING TYPE: XXXXXXXXXXXXXXX	LUMP SUM:	XXXXXXXX	$999,999,999	$999,999,999
	LAND ACQUISITION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
EXPIRATION DATE: XX/XX/XX	PLANNING PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	DESIGN PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	CONSTRUCTION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	EQUIPMENT PHASE:	XXXXXXXX	$999,999,999	$999,999,999
APPROPRIATION AMOUNT #5		ACCOUNT NUMBER	AMOUNT APPROPRIATED	BALANCE REMAINING
FUNDING TYPE: XXXXXXXXXXXXXXX	LUMP SUM:	XXXXXXXX	$999,999,999	$999,999,999
	LAND ACQUISITION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
EXPIRATION DATE: XX/XX/XX	PLANNING PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	DESIGN PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	CONSTRUCTION PHASE:	XXXXXXXX	$999,999,999	$999,999,999
	EQUIPMENT PHASE:	XXXXXXXX	$999,999,999	$999,999,999

DPCIPR03: PROFILE OF CIP PROJECTS

DESCRIPTION

This profile report contains project-specific information about Capital Improvement Projects. It provides basic information about the project including appropriations and allotments.

The profile report can be used to answer most public or agency inquiries concerning CIP projects. It provides a current, easily accessible source of information presented in a consistent format to serve a variety of management, status monitoring and reporting purposes.

ORGANIZATION

Project specific.

FREQUENCY OF PRODUCTION

On demand.

ACCESS

CIP Branch, Department of Planning and Economic Development.

PRIMARY USERS

CIP Branch.

VARIABLES

Project number, Title, Expending Agency, User Agency, User Division, Island, Judicial District, Census Tract, Representative District, Senatorial District, Neighborhood Board No., USGS Quad, Location in Special Management Area, Tax Map Key Number, Status of Cost Elements, Appropriations by cost elements, Allotments by Cost Elements, Computed Unexpended Appropriations.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
PROJECT DETAIL REPORT
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PAGE: 999

PROJECT NO.: XXXXXXXXX
PRIORITY NO.: XXXX

REPORT DPCIPR03

REPORT DATE: 99/99/99

PROJECT INFORMATION

PROJECT TITLE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

EXPENDING AGENCY/DIVISION: XXXXXXXXXXXXXXX
USER AGENCY/DIVISION: XXXXXXXXXXXXXXX

ISLAND: XXXXXXX JUDICIAL DISTRICT: XXXXXXXXXXXX
NEIGHBORHOOD BOARD: XX TMK: X - X - XXX.XXX

CENSUS TRACT: 99999
SMA: X
FLOOD HAZARD: X

REP DIST: 999 SEN DIST: 99
HISTORIC SITE: X
SPECIAL DESIGN DIST: X

STATUS:
LAND ACQ: XXXXXXXXXX EST. START DATE: 99/99/99
PLANNING: XXXXXXXXXX EST. START DATE: 99/99/99
DESIGN: XXXXXXXXXX EST. START DATE: 99/99/99
CONSTRUCTION: XXXXXXXXXX EST. START DATE: 99/99/99
EQUIP. ACQ: XXXXXXXXXX EST. START DATE: 99/99/99

PROJECT COMPLETION DATE: 99/99/99

APPROPRIATIONS/REFINANCING/ALLOTMENTS/EXPENDITURE PLANS

--APPROPRIATION:--

CALENDER YEAR	FISCAL YEAR	ACT NUMBER	ITEM NUMBER	LAND ACQU	PLANNING	DESIGN	CONSTRUCTION	EQUIPMENT	TOTAL
99	99	XXXX	XXXXXXXXXX	$999,999,999	$999,999,999	$999,999,999	$999,999,999	$999,999,999	$999,999,999

--EXPENDITURE PLANS ON ALLOTMENTS (Dollar Amounts in Thousands):--

ACCOUNT NUMBER	FUND TYPE	FUNDING STATUS	AA NUMBER	AA DATE	CURRENT YEAR	1ST QTR	2ND QTR	3RD QTR	4TH QTR	NEXT YEAR	FUTURE YEAR	UNREQD AMOUNT
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999
XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXX	XXXX	99/99	$999999	$999999	$999999	$999999	$999999	$999999	$999999	$999999

```
--TRANSFERRAL OF FUNDS AND CHANGES IN FUNDING:------------------------------------------------------------------------------------------
        AA      AA    FROM ACCT.   FROM FUND       FROM CALENDER     FROM ACT   FROM ITEM    TO ACCT.       FUND             AMOUNT OF
      NUMBER   DATE    NUMBER          TYPE       YEAR/FISCAL YEAR    NUMBER     NUMBER       NUMBER        TYPE            TRANSACTION
----------------------------------------------------------------------------------------------------------------------------------------
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999
       XXXX   99/99   XXXXXXXX    XXXXXXXXXXXXXXX     99/99            XXXX    XXXXXXXXXX   XXXXXXXX   XXXXXXXXXXXXXXX    $999,999,999

--FUNDS RELEASED:-----------------------------------------------------------------------------------------------------------------------
        AA      AA     ACCOUNT        FUND
      NUMBER   DATE    NUMBER         TYPE         LAND ACQ        PLANNING       DESIGN      CONSTRUCTION    EQUIPMENT       TOTAL
----------------------------------------------------------------------------------------------------------------------------------------
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999
       XXXX   99/99   XXXXXXXX   XXXXXXXXXXXXXXX  $999,999,999   $999,999,999  $999,999,999  $999,999,999   $999,999,999  $999,999,999

                                                                                TOTAL FUNDS RELEASED THIS APPROPRIATION   $999,999,999

TOTAL FUNDS APPROPRIATED TO PROJECT:   $ 999,999,999
TOTAL FUNDS TRANSFERRED TO PROJECT:    $ 999,999,999
TOTAL FUNDS RELEASED TO PROJECT:       $ 999,999,999
```

DPCIPR04: CONSTRUCTION STATUS SUMMARY

DESCRIPTION

This report provides a general summary of construction that has occurred in the present calender year from the Capital Improvements Program. It presents basic information about each project including project location, present status of project, and source of funds for the project (State, County, Federal, Private).

The primary intent of this report is to provide to the legislature a summary of all Capital Improvements that have occured in the state on the sorted on the basis of Representative Districts. It will also serve to provide a general summary of state construction to the public and any governmental agencies.

ORGANIZATION

Representative Distict.

FREQUENCY OF PRODUCTION

Annually.

ACCESS

CIP Branch, Department of Planning and Economic Development, Legislature.

PRIMARY USERS

CIP Branch DPED, Legislature.

VARIABLES

Project number, Title, Priority number, Project Type, User Division, Island, Judicial District, Census Tract, Representative District, Senatorial District, Neighborhood Board No., Tax Map Key Number, Design start date, Construction start date, Project completion date, Project Status, State funds toward project, County funds toward project, Federal funds toward project, Private funds toward project, and computed total funds toward project.

```
                                          HAWAII PERMIT APPLICATION and SUPPORT SYSTEM                                PAGE: 9999
                                                  CONSTRUCTION STATUS SUMMARY
                                         DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPEMENT

                                                        REPORT DPCIPRO4                                       REPORT DATE: 99/99/99

XXXXXXXXXX REPRESENTATIVE DISTRICT
==================================

-----------------------------------------------------------------------------------------------------------------------------------
PROJECT NUMBER: XXXXXXXXXXXXXXXXXXXX        PRIORITY #: XXXX      PROJECT TYPE: X      DEPARTMENT NUMBER: XXXXXXXXXXXXXXXXXXXX
PROJECT  TITLE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX      AGENCY / DIVISION: XXXXXXXXXXXXXXXX

PROJECT LOCATION:  ISLAND: XXXXXXX   JUDICIAL DIST: XXXXXXXXXXXX   CENSUS TRACT: XXXXX  SENATORIAL DIST: XXX  NEIGHBORHOOD BRD: XX
     TAX MAP KEY:    ZONE: X               SECTION: X                      PLAT: XXX            PARCEL: XXX

START DESIGN: 99/99    START CONSTRUCTION: 99/99      COMPLETION DATE: 99/99      PROJECT STATUS: XXXXXXXXXXXX
PROJECT FUNDING(THOUSANDS):   STATE FUNDS: $999999       COUNTY FUNDS: $999999     FEDERAL FUNDS: $999999  PRIVATE FUNDS: $999999
                                                                                                             TOTAL FUNDS: $999999
-----------------------------------------------------------------------------------------------------------------------------------
PROJECT NUMBER: XXXXXXXXXXXXXXXXXXXX        PRIORITY #: XXXX      PROJECT TYPE: X      DEPARTMENT NUMBER: XXXXXXXXXXXXXXXXXXXX
PROJECT  TITLE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX      AGENCY / DIVISION: XXXXXXXXXXXXXXXX

PROJECT LOCATION:  ISLAND: XXXXXXX   JUDICIAL DIST: XXXXXXXXXXXX   CENSUS TRACT: XXXXX  SENATORIAL DIST: XXX  NEIGHBORHOOD BRD: XX
     TAX MAP KEY:    ZONE: X               SECTION: X                      PLAT: XXX            PARCEL: XXX

START DESIGN: 99/99    START CONSTRUCTION: 99/99      COMPLETION DATE: 99/99      PROJECT STATUS: XXXXXXXXXXXX
PROJECT FUNDING(THOUSANDS):   STATE FUNDS: $999999       COUNTY FUNDS: $999999     FEDERAL FUNDS: $999999  PRIVATE FUNDS: $999999
                                                                                                             TOTAL FUNDS: $999999
-----------------------------------------------------------------------------------------------------------------------------------
PROJECT NUMBER: XXXXXXXXXXXXXXXXXXXX        PRIORITY #: XXXX      PROJECT TYPE: X      DEPARTMENT NUMBER: XXXXXXXXXXXXXXXXXXXX
PROJECT  TITLE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX      AGENCY / DIVISION: XXXXXXXXXXXXXXXX

PROJECT LOCATION:  ISLAND: XXXXXXX   JUDICIAL DIST: XXXXXXXXXXXX   CENSUS TRACT: XXXXX  SENATORIAL DIST: XXX  NEIGHBORHOOD BRD: XX
     TAX MAP KEY:    ZONE: X               SECTION: X                      PLAT: XXX            PARCEL: XXX

START DESIGN: 99/99    START CONSTRUCTION: 99/99      COMPLETION DATE: 99/99      PROJECT STATUS: XXXXXXXXXXXX
PROJECT FUNDING(THOUSANDS):   STATE FUNDS: $999999       COUNTY FUNDS: $999999     FEDERAL FUNDS: $999999  PRIVATE FUNDS: $999999
                                                                                                             TOTAL FUNDS: $999999
-----------------------------------------------------------------------------------------------------------------------------------
PROJECT NUMBER: XXXXXXXXXXXXXXXXXXXX        PRIORITY #: XXXX      PROJECT TYPE: X      DEPARTMENT NUMBER: XXXXXXXXXXXXXXXXXXXX
PROJECT  TITLE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX      AGENCY / DIVISION: XXXXXXXXXXXXXXXX

PROJECT LOCATION:  ISLAND: XXXXXXX   JUDICIAL DIST: XXXXXXXXXXXX   CENSUS TRACT: XXXXX  SENATORIAL DIST: XXX  NEIGHBORHOOD BRD: XX
     TAX MAP KEY:    ZONE: X               SECTION: X                      PLAT: XXX            PARCEL: XXX

START DESIGN: 99/99    START CONSTRUCTION: 99/99      COMPLETION DATE: 99/99      PROJECT STATUS: XXXXXXXXXXXX
PROJECT FUNDING(THOUSANDS):   STATE FUNDS: $999999       COUNTY FUNDS: $999999     FEDERAL FUNDS: $999999  PRIVATE FUNDS: $999999
                                                                                                             TOTAL FUNDS: $999999
-----------------------------------------------------------------------------------------------------------------------------------
```

REPORT DPCIPRO1: CIP PROJECTS BY COUNTY

DESCRIPTION

This report provides basic information on projects listed by the county in which they are located. It will be used primarily to answer County inquiries on project status.

ORGANIZATION

Summary listing of CIP projects by County.

FREQUENCY OF PRODUCTION

Monthly.

ACCESS

No restrictions.

PRIMARY USERS

CIP Branch, DPED, State and County agencies.

VARIABLES

County Project Control Number, Title, User Agency, TMK Number, Project Status, Representative District, Senatorial District.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
CIP PROJECTS BY COUNTY
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

REPORT OPCIPRO1

REPORT DATE: 99/99/99

CITY AND COUNTY OF HONOLULU
========================

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS	REP DIST	SEN DIST
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999

COUNTY OF HAWAII
================

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS	REP DIST	SEN DIST
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999

COUNTY OF MAUI
==============

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS	REP DIST	SEN DIST
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999

COUNTY OF KAUAI
===============

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS	REP DIST	SEN DIST
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999
XXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX	999	999

REPORT DPCIPR02: CIP PROJECTS IN THE SHORELINE MANAGEMENT AREA

DESCRIPTION

This summary report lists, by County, all CIP projects located in County Special Management Areas (SMA). Basic information will be provided on each of these projects. The report will be used primarily by the DPED/Coastal Zone Management Program to monitor coastal development activities as part of their "lead agency" functions under Chapter 205A, HRS.

ORGANIZATION

Summary listing of CIP projects, by County which are located in SMA's.

FREQUENCY OF PRODUCTION

Monthly.

ACCESS

CIP Branch, DPED, DPED/CZM.

PRIMARY USERS

DPED/CZM

VARIABLES

County Project Control Number, Title, User Agency, TMK Number, Project Status.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
CIP PROJECTS IN THE SHORELINE MANAGEMENT AREA
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PAGE: 999

REPORT DPCIPRO2

REPORT DATE: 99/99/99

CITY AND COUNTY OF HONOLULU
=========================

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX

COUNTY OF HAWAII
===============

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX

COUNTY OF MAUI
=============

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX

COUNTY OF KAUAI
==============

PROJECT CONTROL NUMBER	TITLE	USER AGENCY	TMK NO.	PROJECT STATUS
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	9-9-999.999	XXXXXXX

REPORT DPCIPR03: CIP PROJECTS BY TAX MAP KEY NUMBER

DESCRIPTION

This report arranges CIP Projects by TMK number and provides basic information on each project. It will be used primarily as an index to identify projects when the TMK is known. This type of index is valuable for working with land use information, real estate information and other data based on TMK identification.

ORGANIZATION

Summary listing of CIP projects by TMK number.

FREQUENCY OF PRODUCTION

Monthly.

ACCESS

No restrictions.

PRIMARY USERS

CIP Branch, DPED, County agencies.

VARIABLES

TMK Zone, Section, Plat, Parcel, Title, User Agency, Project Status, SMA Indicator.

HAWAII PERMIT APPLICATION and SUPPORT SYSTEM
CIP PROJECTS BY TAX MAP KEY NUMBER
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PAGE: 999

REPORT DPCIPRO3

REPORT DATE: 99/99/99

ZONE	SECT	PLAT	PARCEL	TITLE	USER AGENCY	USER DIVISION	PROJECT STATUS	SMA
9	9	999	999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	XXXXXXXXXX	XXXXXXX	X
9	9	999	999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	XXXXXXXXXX	XXXXXXX	X
9	9	999	999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	XXXXXXXXXX	XXXXXXX	X
9	9	999	999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX	XXXXXXXXXX	XXXXXXX	X

B. CAPITAL IMPROVEMENTS PROGRAM - DATA ENTRY SCREENS

Section 1: DPCIP001 Appropriations and Accounts

```
DPCIP              HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM          SCREEN-1
                  CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG
                 DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

 CIP ACT NO: ****     ITEM NO: **********   YEAR OF ACT: **     FISCAL YEAR: **
        USER AGENCY/DIVISION: ***           FUNCTION OF APPROPRIATION: *
TOTAL AMOUNT APPROPRIATED:$ *** , *** , ***  RUNNING BALANCE:$ *** , *** , ***

TITLE OF          ************************************************************
APPROPRIATION:    ************************************************************

APPROPRIATION EFFECT:    STATEWIDE: *    COUNTYWIDE: *    ISLANDWIDE: *

LOCATION:          ISLAND: *          JUDICIAL DIST: *        CENSUS TRACT: *****
        SENATORIAL DIST: ***  REPRESENTATIVE DIST: ***  NEIGHBORHOOD BRD: **

  TAX MAP KEYS :   ZONE: *    SECTION: *     PLAT: ***     PARCEL: ***

DISTRICT INFO:     SPECIAL MANAGEMENT AREA:  *          FLOOD HAZARD AREA:  *
                   SPECIAL DESIGN DISTRICT:  *            HISTORICAL SITE:  *
COMMENTS ON
DISTRICT:   ************************************************************************
```

DPCIP CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG SCREEN-2
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
APPROPRIATION AMOUNT #1

LUMP SUM ACCT #: *********
FUNDING TYPE: *
EXPIRATION DATE: ** / ** / **

LUMP SUM AMOUNT:$ *** , *** , ***
BALANCE REMAINING LUMP SUM:$ *** , *** , ***

PLANNING PHASE:	ACCT #: *********	APPROPRIATED AMOUNT:$	*** , *** , ***
		BALANCE REMAINING:$	*** , *** , ***
DESIGN PHASE:	ACCT #: *********	APPROPRIATED AMOUNT:$	*** , *** , ***
		BALANCE REMAINING:$	*** , *** , ***
CONSTRUCTION PHASE:	ACCT #: *********	APPROPRIATED AMOUNT:$	*** , *** , ***
		BALANCE REMAINING:$	*** , *** , ***
LAND ACQUISTN PHASE:	ACCT #: *********	APPROPRIATED AMOUNT:$	*** , *** , ***
		BALANCE REMAINING:$	*** , *** , ***
EQUIPMENT PHASE:	ACCT #: *********	APPROPRIATED AMOUNT:$	*** , *** , ***
		BALANCE REMAINING:$	*** , *** , ***

DPCIP CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG SCREEN-3
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
APPROPRIATION AMOUNT #2

LUMP SUM ACCT #: ********
FUNDING TYPE: * LUMP SUM:$ *** , *** , ***
EXPIRATION DATE: ** / ** / ** BALANCE REMAINING LUMP SUM:$ *** , *** , ***

PLANNING PHASE;	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
DESIGN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
CONSTRUCTION PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
LAND ACQUISTN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
EQUIPMENT PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	

DPCIP CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG SCREEN-4
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
APPROPRIATION AMOUNT #3

```
LUMP SUM ACCT #: ********
   FUNDING TYPE: *                          LUMP SUM AMOUNT:$ *** , *** , ***
EXPIRATION DATE: ** / ** / **       BALANCE REMAINING LUMP SUM:$ *** , *** , ***

 PLANNING PHASE:          ACCT #: ********  APPROPRIATED AMOUNT:$ *** , *** , ***
                                              BALANCE REMAINING:$ *** , *** , ***

 DESIGN PHASE:            ACCT #: ********  APPROPRIATED AMOUNT:$ *** , *** , ***
                                              BALANCE REMAINING:$ *** , *** , ***

 CONSTRUCTION PHASE:      ACCT #: ********  APPROPRIATED AMOUNT:$ *** , *** , ***
                                              BALANCE REMAINING:$ *** , *** , ***

 LAND ACQUISTN PHASE:     ACCT #: ********  APPROPRIATED AMOUNT:$ *** , *** , ***
                                              BALANCE REMAINING:$ *** , *** , ***

 EQUIPMENT PHASE:         ACCT #: ********  APPROPRIATED AMOUNT:$ *** , *** , ***
                                              BALANCE REMAINING:$ *** , *** , ***
```

DPCIP CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG SCREEN-5
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
APPROPRIATION AMOUNT #4

LUMP SUM ACCT #: ********
FUNDING TYPE: * LUMP SUM AMOUNT:$ *** , *** , ***
EXPIRATION DATE: ** / ** / ** BALANCE REMAINING LUMP SUM:$ *** , *** , ***

PLANNING PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
DESIGN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
CONSTRUCTION PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
LAND ACQUISTN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	
EQUIPMENT PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$ *** , *** , ***	
		BALANCE REMAINING:$ *** , *** , ***	

DPCIP CAPITAL IMPROVEMENTS PROGRAM APPROPRIATION LOG SCREEN-6
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
APPROPRIATION AMOUNT #5

LUMP SUM ACCT #: ********
FUNDING TYPE: * LUMP SUM AMOUNT:$ ***,***,***
EXPIRATION DATE: ** / ** / ** BALANCE REMAINING LUMP SUM:$ ***,***,***

PLANNING PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$	***,***,***
		BALANCE REMAINING:$	***,***,***
DESIGN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$	***,***,***
		BALANCE REMAINING:$	***,***,***
CONSTRUCTION PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$	***,***,***
		BALANCE REMAINING:$	***,***,***
LAND ACQUISTN PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$	***,***,***
		BALANCE REMAINING:$	***,***,***
EQUIPMENT PHASE:	ACCT #: ********	APPROPRIATED AMOUNT:$	***,***,***
		BALANCE REMAINING:$	***,***,***

Section 2: DPCIP002 Allotment Advices

DPCIP HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
CAPITAL IMPROVEMENTS PROGRAM ALLOTMENT LOG
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

ALLOTMENT ADVICE #: **** ALLOTMENT ADVICE DATE (MONTH/YEAR): ** / **
CIP ACT #: **** ITEM #: ********** YEAR: ** FISCAL YEAR: **

ACCOUNT NUMBER: ********* FUNDING TYPE: * PURPOSE OF ALLOTMENT: *****

ALLOTMENT AMOUNT:$ *** , *** , ***

COMMENTS ON
ALLOTMENT: **********

IF THIS ALLOTMENT IS A TRANSFERRAL OF FUNDS OR REFINANCING:
1) ACCOUNT NUMBER ABOVE REFERENCES ACCOUNT FROM WHICH FUNDS ARE MOVED,
2) ACCOUNT NUMBER BELOW REFERENCES ACCOUNT TO WHICH FUNDS ARE MOVED.

FUNDS TRANSFERRED TO ACCOUNT NUMBER: ********* FUNDING TYPE: *

Section 3: DPCIP003 Project Information Construction Status Summary

DPCIP HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM SCREEN-1
CAPITAL IMPROVEMENTS PROGRAM PROJECT LOG
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

DPED ASSIGNED
PROJECT NUMBER: ********** PROJECT TYPE: * PRIORITY NUMBER: ****

PROJECT **
TITLE: **

DEPT. ASSIGNED PROJECT #: ********** AGENCY/DIVISION: ***

PROJECT EFFECT: STATEWIDE: * COUNTYWIDE: * ISLANDWIDE: *

LOCATION: ISLAND: * JUDICIAL DIST: * CENSUS TRACT: *****
SENATORIAL DIST: *** REPRESENTATIVE DIST: *** NEIGHBORHOOD BRD: **

TAX MAP KEYS: ZONE: * SECTION: * PLAT: *** PARCEL: ***

DISTRICT INFO: SPECIAL MANAGEMENT AREA: * FLOOD HAZARD AREA: *
SPECIAL DESIGN DISTRICT: * HISTORICAL SITE: *

COMMENTS ON
DISTRICT: **********

DPCIP HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM SCREEN-2
CAPITAL IMPROVEMENTS PROGRAM PROJECT LOG
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PROJECT STATUS: * CURRENT PHASE: ***** FUNCTION: * EXPENDING AGENCY: ***

COMMENTS ON **********
PROJECT: **********

-FUNDING AMOUNTS-		-START DATES-	
STATE FUNDS:	$ ****** (THOUSANDS)	DESIGN:	** / **
COUNTY FUNDS:	$ ****** (THOUSANDS)	CONSTRUCTION:	** / **
FEDERAL FUNDS:	$ ****** (THOUSANDS)	PLANNING:	** / **
PRIVATE FUNDS:	$ ****** (THOUSANDS)	LAND ACQUISTN:	** / **
		EQUIPMENT:	** / **

TOTAL COST OF PROJECT:$ ****** (THOUSANDS) PROJECT COMPLETION DATE: ** / **

Section 4: DPCIP004 Expenditure Plans

DPCIP HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
CAPITAL IMPROVEMENTS PROGRAM EXPENDITURE PLAN LOG
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

PROJECT NUMBER: **********

CIP ACT #: **** ITEM #: ********** YEAR OF ACT: ** FISCAL YEAR: **
ALLOTMENT ADVICE #: **** FUNDING CODE: * ACCOUNT #: *********
ALLOTMENT ADVICE DATE: ** / ** FUNDING STATUS: *

-EXPENDITURE PLAN-

CURRENT FISCAL YEAR AMOUNT:	$ ****** (THOUSANDS)
FIRST QUARTER AMOUNT:	$ ****** (THOUSANDS)
SECOND QUARTER AMOUNT:	$ ****** (THOUSANDS)
THIRD QUARTER AMOUNT:	$ ****** (THOUSANDS)
FOURTH QUARTER AMOUNT:	$ ****** (THOUSANDS)
NEXT FISCAL YEAR AMOUNT:	$ ****** (THOUSANDS)
FUTURE FISCAL YEAR AMOUNT:	$ ****** (THOUSANDS)
UNREQUIRED AMOUNT:	$ ****** (THOUSANDS)

VI. THE CIP/H-PASS DESIGN

A. Assumptions

B. Design Criteria

C. CIP System Design

VI. THE CIP/H-PASS DESIGN

Two basic alternatives and their design requirements were identified in the previous section of the design document. Each alternative resulted in the ability of the H-PASS system to serve as a dissemination body of information pertaining to capital improvement projects to the various H-PASS user agencies. The purpose of this section is to outline a general system design for the H-PASS CIP Project, on the assumption that the Master CIP monitoring system would be developed on the H-PASS system.

A. Assumptions

There are three major assumptions which direct the design of the CIPS system. The design of the Master CIP Project Tracking System as part of the H-PASS system will be somewhat different from other H-PASS applications and is based on the plans for a remote terminal to be located at the DPED Planning Division and serve as the central point through which data would be entered and edited.

Data would be entered through these terminals in an on-line environment to the H-PASS CIP data base. Once data has been entered and verified, report programs would be executed in much the same way as the other applications. When the report programs are completed, the reports will be placed in telecommunication report files for transmission to the other agencies utilizing word processors. The DPED Planning Division, however, would be also be able to print their reports at a remote printer in their office.

B. Design Criteria

The proposed CIP/H-PASS application will rely heavily on a range of criteria which were established during intensive discussions between the DPED/CIP and URPP/CZM staffs. The purpose of this section is to outline the range of design criteria which will govern the H-PASS/CIP design.

1. Menu Orientation

The design of the Master CIP Project Tracking System consists of a menu-oriented data entry/updating, standard report, and inquiry system. The menu orientation of the system is designed to provide ease of operation to the DPED. Through a Master Menu, special Subsystem Menus would be devised for each of the subsystems. This menu-orientation of the CIP Project Tracking System would enable data entry/updating, reporting, and inquiry operations to be no more difficult than operating a word processor.

There are nine major menus which will be created for the CIP/H-PASS application. Four menus will be created for data entry and updating of the various data bases. Four other menus will be created for the array of reports which are required from the various data bases. The ninth menu will be the MASTER MENU, from which the other eight are called. In the future, another menu will be made available through the CIP applicaton to enable CIP personnel to access other H-PASS reports generated over time. This capability, however, will not be implemented in the immediate future,

2. User Logon Procedures

Some of the operators performing the data entry for the system will be steno-clerks. The designated job responsibilities for steno-clerks are such that they cannot be allowed to perform "data entry" duties. This is avoided in the H-PASS design since they will be operating off of menus similar to those in word processing. That is, the operators will not need to key in any of the unnecessary parameters for operating the array of data entry/updating and reporting programs. The users will simply press the appropriate PF-Key to obtain the menu and be responsible only for the entering of data and necessary setting of forms on a printer.

Special logon procedures for clerical staff would have to be developed to bring up the CIP MASTER MENU. These are short procedure programs which automatically initiate the MASTER MENU Program. These procedure programs are automatically linked to the logon process as part of the SECURITY utility which sets logon procedures. Once in the CIP MASTER MENU, operators need only to work within the choices available to the user.

CIP staff, unlike clerical staff users, will be provided the full range of programming capabilities. They will not,

however, be allowed to perform computer operator functions. Through assignment of operator terminals, it is possible to prevent users from performing operator functions. Clerical staff will also be locked out of operator functions.

3. Range and Table Verification

Where possible, data entry/updating programs will include preliminary range and table verification checks. The range and table verification of data entry and modification should prevent operators from keying invalid data onto a disk file.

4. Audit Trails

Although the CIP Branch does not utilize audit trails and reports as part of their INFODATA/CIPS system, the H-PASS/CIP application necessitates some tracking of the transactions as they occur. The audit trails have not yet been discussed with the staff of the CIP Branch.

5. Reports

There are a number of reports which will need to be created for the various users of the H-PASS/CIP application. The reporting requirements for the system have been designed to provide for substantial internal tracking and general external reports. The reports required by both the H-PASS and CIP Branches are summarized in Chapters VII and VIII.

C. CIP System Design

File Linkage

An overview of the file linkages that will be used in the H-PASS Capital Improvements Program system design is illustrated by Figure VI-1. What follows is a brief description of the file linkages.

1 The file DPCIPD01 contains the Appropriation data including all account information relevant to that Appropriation. Its primary index key is the sequence of characters that make up the Act, Item, Fiscal Year, and Calender Year. This concatenation of fields is

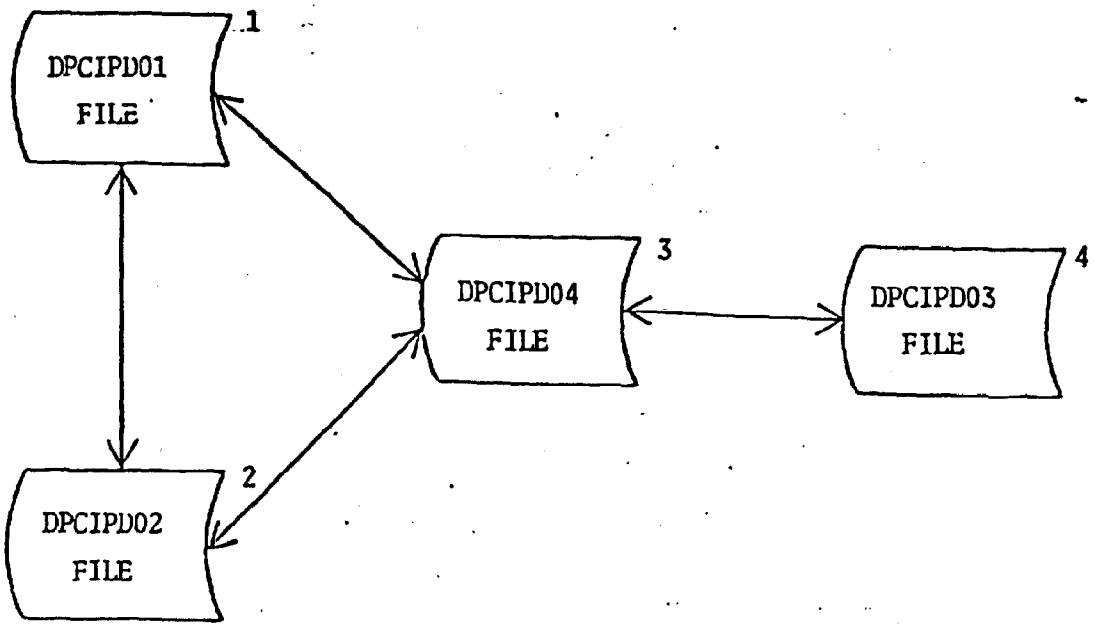

1
DPCIPD01
FILE
3
DPCIPD04
FILE
4
DPCIPD03
FILE
2
DPCIPD02
FILE

Figure VI-1

unique to each Appropriation processed by the Capital Improvements Program. DPCIPD01 is linked to the DPCIPD02 (Allotment information) file by means of the Act, Item, Fiscal Year, Calender Year sequence of characters that CIP uses as the "Appropriation Number". This field occurs as the first part of the primary key to the file DPCIPD02 and thus links all records in DPCIPD02 to the appropriate record in file DPCIPD01.

The file DPCIPD01 is also linked to the file DPCIPD04 by the appearance of the Appropriation Number as an alternate key in the file DPCIPD04. DPCIPD01 is linked to DPCIPD03 through the information contained in file DPCIPD04.

2 The file DPCIP02 contains the Allotment Advice information relating to each Appropriation. In this respect, DPCIPD02 is a "trailer record" file to the file DPCIPD01 (Appropriation file). Its primary index key is a concatenation of the Appropriation number to which it applies and a sequence number that is system assigned that marks the number of records in DPCIPD02 that are derived from a specified Appropriation. Each record of the file DPCIPD02 is linked to the file DPCIPD01 by the Act, Item, Fiscal Year, and Calender Year (Appropriation number) sequence of characters that act as the primary key of the file DPCIPD01. The Allotment Advice number itself is made to be an alternate key of this file because it is possible for one allotment to release funds from more than one Appropriation and to more than one project. The Appropriation Number has been selected as the pivotal information for the system because it is from the Appropriations that funds are initially authorized. The system then allows an unlimited number of records sharing the same Allotment Advice number. Each record will contain the information pertaining to a particular aspect of the Allotment. The complete Allotment Advice information will be available by retrieving all records that share the specified Allotment Advice number.

DPCIPD02 is linked to the files DPCIPD03 and DPCIPD04 by means identical to the links between DPCIPD01, DPCIPD03, and DPCIPD04.

3 The file DPCIPD04 contains the Project Expenditure Plan data. It is linked to the files DPCIPD01 and DPCIPD02 through the Appropriation number that is described above. This sequence of fields is an alternate index key to the file DPCIPD04 and thus allows duplicate values to appear in different records of the file.

The file DPCIPD04 is linked to the file DPCIPD03 through the DPED assigned Project number that occurs as the primary index key of file DPCIPD03 and as a part of the primary index key to file DPCIPD04.

4 The file DPCIPD03 contains general Project Information data. It is linked to the file DPCIPD04 through the means described above. It is linked to the file DPCIPD01 and DPCIPD02 through the Appropriation number data that is contained in the records of file DPCIPD04.

The advantages of this system design are that it can accomodate the need for allowing an essentially unlimited number of relations between Appropriations, Allotments, and Projects within the Capital Improvements Program with the data management and tracking capabilities to connect all the related aspects of the overall Capital Improvements Program process.

An illustration of the present Capital Improvements Program system as implemented by INFODATA is presented in Figure VI-2. The major advantage being offered by the new system design is the capability of linking all of the information from the various files, a capability lacking in the CIPS design as implemented on Infodata. This allows improved management and tracking in the Capital Improvements Programs process.

Appropriations Log (DPCIPD01) File Maintenance

The following section briefly describes the system maintenance for the file DPCIPD01. This process is illustrated in Figure VI-3.

1 The Approriation maintenance menu of program DPCIP001 is presented to allow the user to select the options of adding an Appropriation record, updating an existing Appropriation record or deleting an Appropriation record.

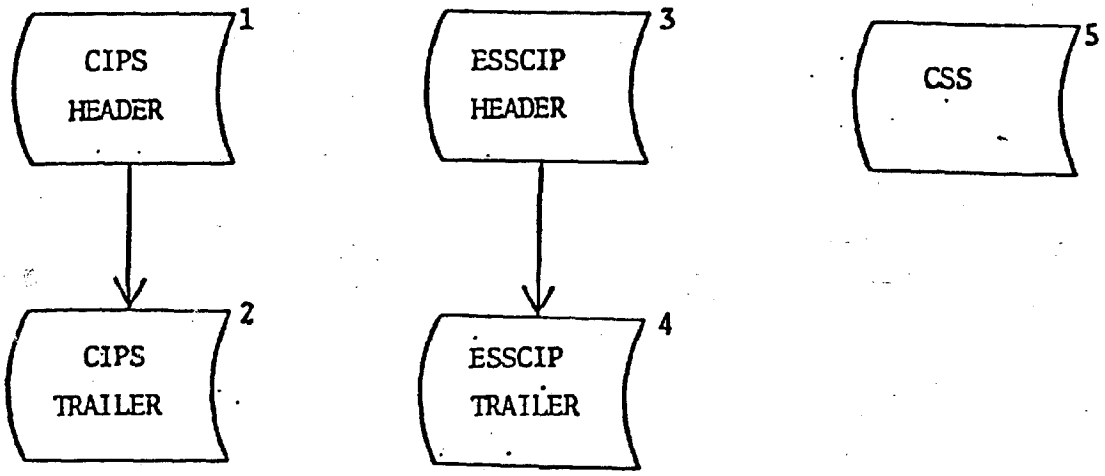

CIPS
HEADER
1
CIPS
TRAILER
2
ESSCIP
HEADER
3
ESSCIP
TRAILER
4
CSS
5

Figure VI-2

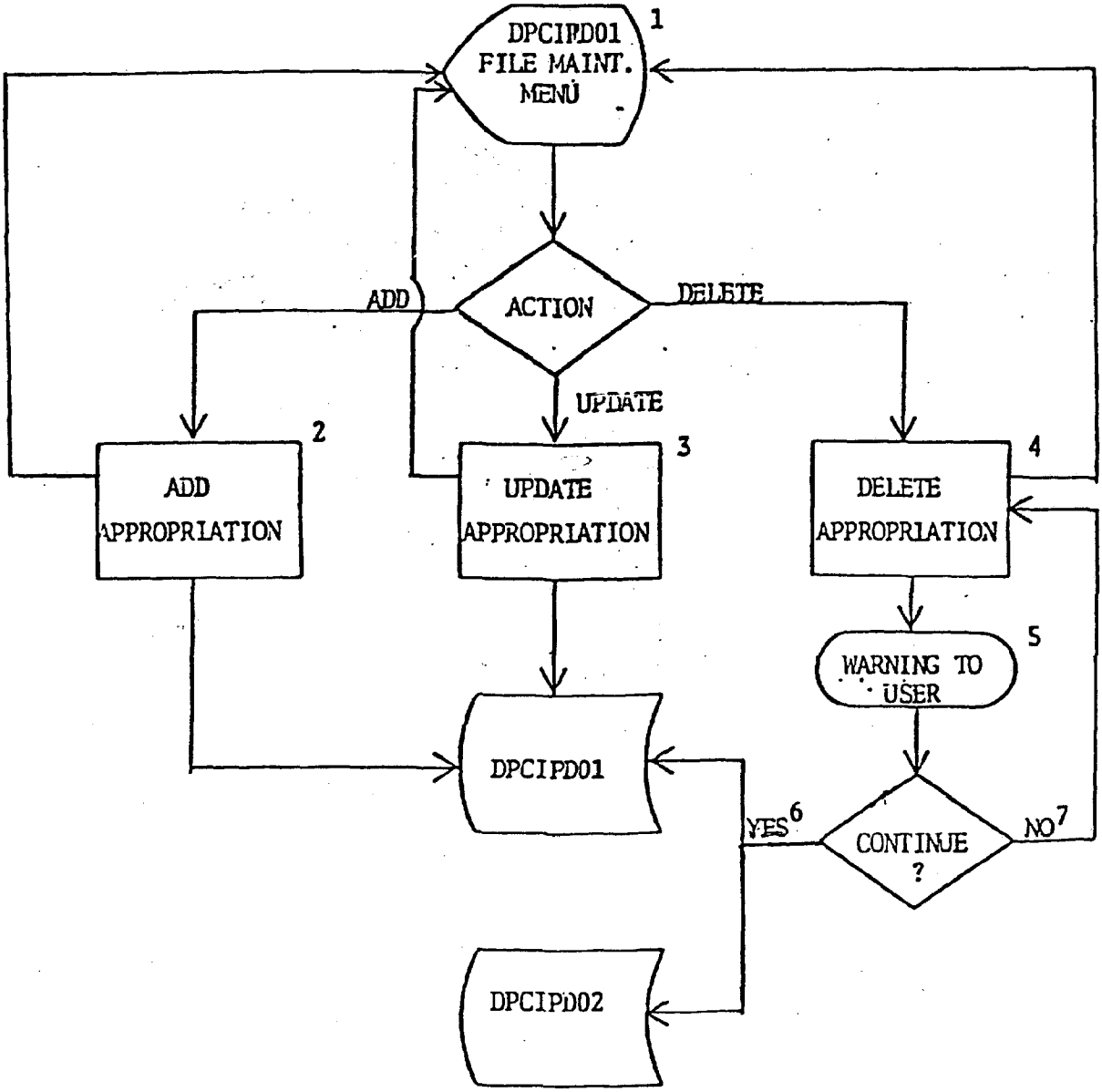

DPCIPD01
FILE MAINT.
MENU
1
ACTION
ADD
DELETE
UPDATE
ADD
APPROPRIATION
2
UPDATE
APPROPRIATION
3
DELETE
APPROPRIATION
4
WARNING TO
USER
5
DPCIPD01
YES
6
CONTINUE
?
NO
7
DPCIPD02

Figure VI-3

2 If the Add new record action has been selected then the program presents the appropriate screens, performs the necessary validation on the input data and adds the record to the file DPCIPD01.

3 If the Update existing record action has been selected then the program presents the screen to allow the user to select which record is to be updated, reads the file DPCIPD01 to obtain the record, presents the screens to allow updates, validates the update, and rewrites the record into the file DPCIPD01.

4 If the Delete record action has been selected then the program presents the screen to allow the user to select which record is to be deleted, presents the record in screen format to the user to inspect, and allows the option of not deleting the record.

5 If the user decides to delete the record a warning message is presented that informs the user that all Allotment Advice "trailer" records will also be deleted from file DPCIPD02. This is necessary because an Allotment Advice releases funds from an Appropriation, and there should be no Allotment Advice information relating to a nonexistent Appropriation. The operator is again presented with the option of deleting the record or exiting without deleting the record.

6 If the delete option is taken the record is deleted from the file DPCIPD01 and all Allotment Advice records relating to that Appropriation in the file DPCIPD02 are likewise deleted.

7 If the delete option is not taken, the records relating to that Appropriation are left unchanged.

Allotment Advice Log (DPCIPD02) File Maintenance

The following section briefly describes the system maintenance for the file DPCIPD02. This process is illustrated in Figure VI-4.

1 The Allotment Advice file maintenance menu of program DPCIP002 is presented to allow the user to select the options of adding an Allotment advice record, updating an existing Allotment Advice record or deleting an Allotment Advice record.

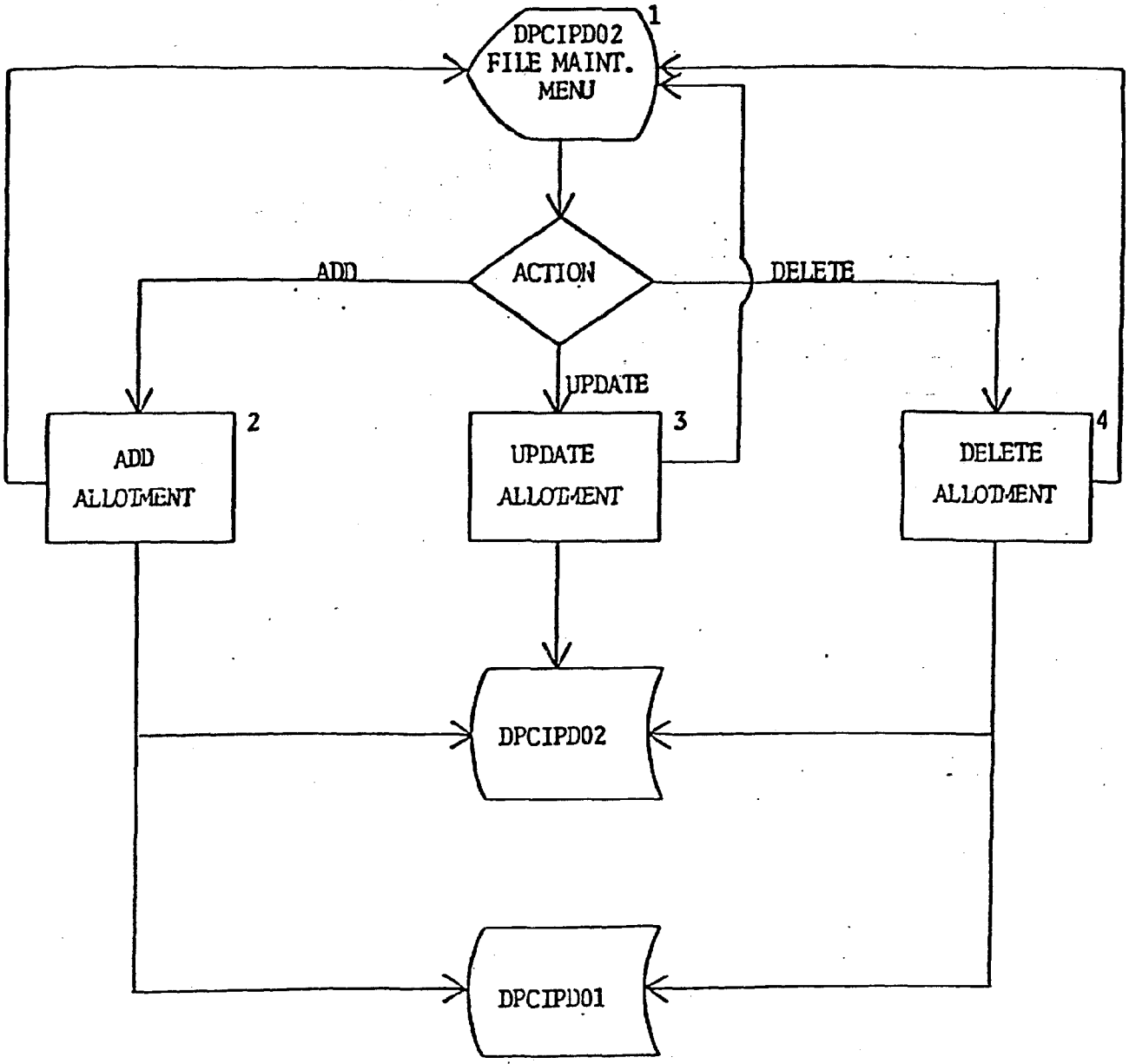

DPCIPD02
FILE MAINT.
MENU
1
ACTION
ADD
DELETE
UPDATE
ADD
ALLOTMENT
2
UPDATE
ALLOTMENT
3
DELETE
ALLOTMENT
4
DPCIPD02
DPCIPD01

Figure VI-4

2 If the Add new record action has been selected then the program presents the appropriate screens, performs the necessary validation on the input data and adds the record to the file DPCIPD02. The system then retrieves the record of the Appropriation specified in the Allotment Advice from the file DPCIPD01 and updates the field that identifies the number of Allotment Advices that have been entered relating to the specified Appropriation.

3 If the Update existing record action has been selected then the program presents the screen to allow the user to select which record is to be updated, reads the file DPCIPD02 to obtain the record, presents the screens to allow updates, validates the update, and rewrites the record into the file DPCIPD02.

4 If the Delete record action has been selected then the program presents the screen to allow the user to select which record is to be deleted, presents the record in screen format to the user to inspect, and allows the option of not deleting the record. If the delete option is selected then the record is deleted from the DPCIPD02 Allotment Advice file and the Appropriation record in DPCIPD01 is updated to confirm that the Allotment record no longer exists.

Project Information Log (DPCIPD03) File Maintenance

The following section briefly describes the system maintenance for the file DPCIPD03. This process is illustrated in Figure VI-5.

1 The Project Information maintenance menu of program DPCIPD03 is presented to allow the user to select the options of adding a Project Information record, updating a existing Project Information record or deleting a Project Information record.

2 If the Add new record action has been selected then the program presents the appropriate screens, performs the necessary validation on the input data and adds the record to the file DPCIPD03.

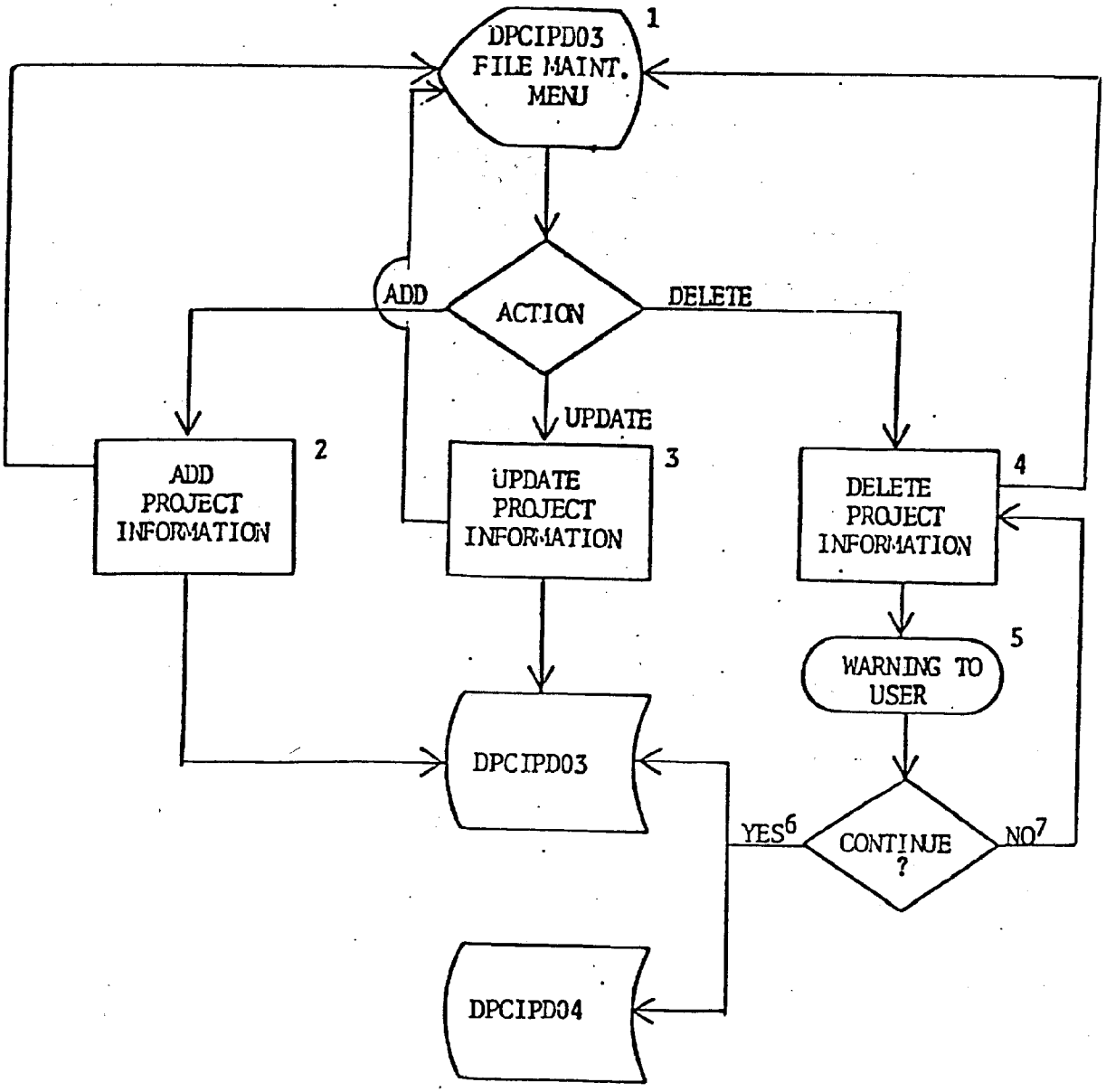

DPCIPD03
FILE MAINT.
MENU
1
ADD
ACTION
DELETE
UPDATE
ADD
PROJECT
INFORMATION
2
UPDATE
PROJECT
INFORMATION
3
DELETE
PROJECT
INFORMATION
4
WARNING TO
USER
5
DPCIPD03
YES6
CONTINUE
?
NO7
DPCIPD04

Figure VI-5

3 If the Update existing record action has been selected then the program presents the screen to allow the user to select which record is to be updated, reads the file DPCIPD03 to obtain the record, presents the screens to allow updates, validates the update, and rewrites the record into the file DPCIPD03.

4 If the Delete record action has been selected then the program presents the screen to allow the user to select which record is to be deleted, presents the record in screen format to the user to inspect, and allows the option of not deleting the record.

5 If the user decides to delete the record a warning message is present that informs the user that all Project Expenditure Plan "trailer" records will also be deleted from file DPCIPD04. This is necessary because a Project Expenditure Plan outlines planned expenditures for a project, and there should be no Expenditure Plan information relating to a nonexistent project. The operator is again presented with the option of deleting the record or exiting without deleting the record.

6 If the delete option is taken the record is deleted from the file DPCIPD03 and all Expendture Plan records relating to that project in the file DPCIPD04 are likewise deleted.

7 If the delete option is not taken the records relating to that project are left unchanged.

Project Expenditure Plan log (DPCIPD04) File Maintenance

The following section briefly describes the system maintenance for the file DPCIPD04. This process is illustrated in Figure VI-6.

1 The Expenditure Plan file maintenance menu of program DPCIP004 is presented to allow the user to select the options of adding an Expenditure Plan record, updating an existing Expenditure Plan record or deleting an Expenditure Plan record.

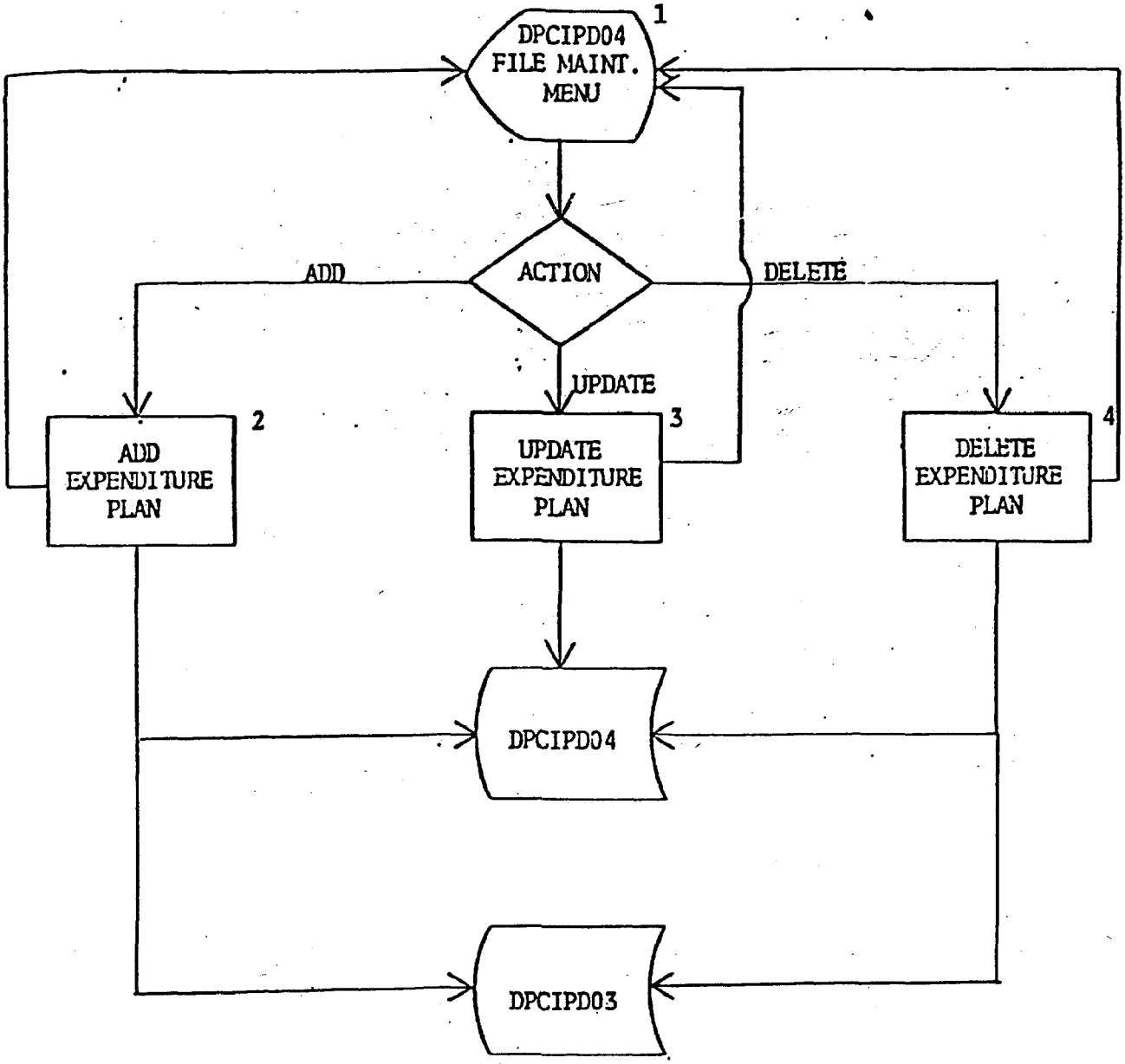

1
DPCIPD04
FILE MAINT.
MENU
ACTION
ADD
DELETE
UPDATE
2
ADD
EXPENDITURE
PLAN
3
UPDATE
EXPENDITURE
PLAN
4
DELETE
EXPENDITURE
PLAN
DPCIPD04
DPCIPD03

Figure VI-6

.2 If the Add new record action has been selected then the program presents the appropriate screens, performs the necessary validation on the input data and adds the record to the file DPCIPD04. The system then retrieves the record of the Project Information specified from the file DPCIPD03 and updates the field that identifies the number of Expenditure Plans that have been entered relating to the specified Project.

3 If the Update existing record action has been selected then the program presents the screen to allow the user to select which record is to be updated, reads the file DPCIPD04 to obtain the record, presents the screens to allow updates, validates the update, and rewrites the record into the file DPCIPD04.

4 If the Delete record action has been selected then the program presents the screen to allow the user to select which record is to be deleted, presents the record in screen format to the user to inspect, and allows the option of not deleting the record. If the delete option is selected then the record is deleted from the DPCIPD04 Expenditure Plan file and the Project Information record in DPCIPD03 is updated to confirm that the Expenditure Plan record no longer exists.

VII. PROGRAM SPECIFICATIONS

A. Table Maintenance Subsystem

B. Data Entry/Update Programs

C. Report Programs and Report Definition Files

VII. PROGRAM SPECIFICATIONS

This section lists the programs required by the Capital Improvements Program application and describes their general functions.

The H-PASS conventions adopted for program naming are described in Section VIII. The reader is encouraged to review that section to obtain an understanding of file description conventions.

A. Table Maintenance Subsystem

All H-PASS tables are maintained through use of the WANG DATENTRY utility, in conjunction with control files which describe the individual table file contents. Special programs for table file maintenance are not required under this approach.

There are two classes of table files maintained by the table maintenance subsystem. The first class of table files will be those system level files utilized by one or more H-PASS applications. These will be labeled in the "HPSYS" series.

The second class of table files are those which will be utilized only by the Capital Improvements Program application. These will be labeled "DPCIP" (Department of Planning and Economic Development Capital Improvements Program).

Below are listed the table files used by this application, together with the control files which are used to describe and maintain the data in the table files.

1. HPASS System-Level Control Files - HPSYS

Control File ID	Table File ID	Table Description
HPSYSC02	HPSYST02	ISLAND
HPSYSC03	HPSYST03	COUNTY
HPSYSC23	HPSYST23	COUNTY OF HAWAII TMK ZONE

Control File ID	Table File ID	Table Description
HPSYSC33	HPSYST33	COUNTY OF KAUAI TMK ZONE
HPSYSC43	HPSYST43	COUNTY OF MAUI TMK ZONE
HPSYSC53	HPSYST53	CITY AND COUNTY TMK ZONE

2. HPASS CIP Application Control Files - DPCIP

Control File ID	Table File ID	Table Description
DPCIPC01	DPCIPT01	FUNDING STATUS
DPCIPC02	DPCIPT02	FUNDING TYPES
DPCIPC03	DPCIPT03	PROJECT PHASE (CYCLE)
DPCIPC04	DPCIPT04	PROJECT STATUS
DPCIPC05	DPCIPT05	REPRESENTATIVE DISTRICT

B. Data Entry/Update Programs

Program ID	Functions
DPCIP001	Displays data entry screens to create or modify file DPCIPD01, Appropriation data.
DPCIP002	Displays data entry screens to create or modify file DPCIPD02, Allotment data.
DPCIP003	Displays data entry screens to create or modify file DPCIPD03, Project data.
DPCIP004	Displays data entry screens to create or modify file DPCIPD04, Project Expenditure Plan.

C. Report Programs and Report Definition Files

There will basically be two types of report program files which will be created. The first type of report program will be the customized programs which create the master permit profile, perform table lookup functions, and other report functions which cannot be the standard report utility. The second type of report program files will be report definition files which are utilized by the REPORT utility. Report definition files are read by the REPORT utility to specify the parameters for reports.

1. Report Programs

Program ID	Functions
DPCIPR00	Master user-exit program called by program REPORT to perform table lookup functions as required to convert codes for the CIP application to text descriptions. The table lookup subroutines to be performed will be determined by the Report ID contained within the first data record passed by the REPORT program.
DPCIPR01	Creates and prints Report DPCIPR01, Capital Improvements Program profile of all Appropriations and the related Allotments. Performs necessary table-lookups to convert record codes into equivalent text descriptions as required. Accesses individual records based on the Act, Year, Item number that identifies the specfic Appropriations.
DPCIPR02	Creates and prints Report DPCIPR02, Capital Improvements Program profile of all Accounts assigned to a given Appropriation by DPED. Performs necessary table-lookups to convert record codes into equivalent text descriptions as required. Accesses individual records based on the Act, Year, Item number that identifies the specfic Appropriations.
DPCIPR03	Creates and prints Report DPCIPR03, Capital Improvements Program profile of all Projects and related Project Expenditure Plans.

Performs necessary table-lookups to convert record codes into equivalent text descriptions as required. Accesses individual records based on the DPED assigned Project Number.

DPCIPR04 Creates and prints Report DPCIPR04, Capital Improvements Program Construction Status Summary. Performs necessary table-lookups to convert record codes into equivalent text descriptions as required. Accesses individual records based Representative Districts, then sorted on basis of Project Number.

2. Report Definition Files

DPCIPR01 Provides brief report of CIP Projects by County. It is used by the REPORT utility in conjunction with DPCIPR00, which is the USER-EXIT COBOL program for table lookup.

DPCIPR02 Provides listing of CIP Projects that are occurring in Special Management Areas. The file is used by the REPORT utility in conjunction with DPCIPR00, which is the USER-EXIT COBOL program for table lookup.

DPCIPR03 Provides listing of CIP Projects by Tax Map Key. The file is used by the REPORT utility in conjunction with DPCIPR00, which is the USER-EXIT COBOL program for table lookup.

A variety of other standard reports will be provided through the combination of the REPORT utility, Report Definition file entries, and the user-exit program DPCIPR00. Report selection will be determined as user requests are made.

VIII. COMPUTER FILE SPECIFICATION

A. File and Library Management on the H-PASS

B. Specific DPCIP files

VIII. COMPUTER FILE SPECIFICATIONS

This section describes (a) the general system of file management used by HPASS and (b) the specific computer files which will be used for this application.

Detailed contents of each file will be found in control file listings found in Appendix D. Each report and data file within the H-PASS system will have a corresponding Control File entry, which provides a standardized means for describing data elements and the edit/validation criteria to be applied to each data element.

A. File and Library Management on the H-PASS

File Management

The purpose of this section is to outline the file management procedures and naming conventions to be used for the H-PASS system. The WANG system library utilities treat all data stored on the system as "files", whether the data is a source program, object program, data set, or other type of data. A formal system for assigning file identifications will be implemented for HPASS in order to properly manage the numerous files which will be created for HPASS applications.

File Naming Conventions - The VS file name may contain up to eight characters, the first of which must be an alpha character. After the first alpha character, the file name may include any combination of alphabetic and numeric characters except for special characters such as slashes and dashes.

Application Development Files

Application development files are those which are created for any of the H-PASS application programs. Generally, any of the H-PASS applicatons will require the creation of a number of different types of files for applications utilized by various agencies. The conventions for naming these files are as follows.

Agency Designation

The first two characters of a file will be utilized to denote the agency which enters and updates an H-PASS application (HPASS system files accessible by all agencies are identified by a the characters "HP"). Although more than fourteen governmental units will be networked into the H-PASS system, the units fall within ten state and county agencies. These agencies and their application codes are listed below:

NAME OF AGENCY	FILE CODE
HPASS SYSTEM FILES	HP
STATE AGENCIES	
Department of Planning and Economic Development	DP
Coastal Zone Management Program	CZ
Department of Health	DH
Department of Transportation	DT
Department of Land and Natural Resources	DL
Office of Environmental Quality Control	OE
COUNTY AGENCIES	
Hawaii County Planning Department	HC
Maui County Planning Department	MC
Kauai County Planning Department	KC
City and County of Honolulu (DLU)	CC

Application Designation

Following the two characters for agency designation will be a three character identifier to denote the application type (acronyms will be used where possible). There are approximately seventeen applications which will be part of the H-PASS system. The names of these applications and identifiers are as follows:

NAME OF H-PASS APPLICATION	APPLICATION CODE
Special Management Area Permit (Four SMA Applications - 1 per county)	SMA
Federal Consistency	FED
Land Use Inventory (Three Land Use Inventories)	LUI
Capital Improvements Program	CIP
A-95 Project Notification and Review System	A95
Conservation District Use Application	CDU
Cultural Resource Information (Historic and Archaeological Sites) (Historic/Archeological Surveys) (Bibliography of Hawaiian Archaeology/History)	CRS
Zone of Mixing Permit	MIX
National Pollution Discharge Elimination System	NPD
Solid Waste	SOW
Sewage and Cesspools	SEW
Environmental Impact Statement	EIS
Land Use District Boundary Changes	LUD
H-PASS System-Level Application	SYS
H-PASS Message Processing System	MPS

File Type

Following the three characters which identify the H-PASS application of a particular agency, a one character code will be used to designate the file type. A number of different types of files (e.g. program, data, table, or screens) will be required for each HPASS application. Below is a table of the file types and their corresponding one-character codes.

FILE TYPE	CODE
Batch Files for Telecommunications	B
Control File	C
Data File	D
Menu	M
Executable Object Program	O
Report Definition File	R
Tables (Data Lookup Files)	T
Screens	S
Source Program (Cobol, RPG, BASIC, etc.)	P

File Number within File Type

The six characters described thus far are used to identify the agency responsible for maintenance of a particular data base, the name of the specific H-PASS application under development, and the type of file. The last two characters will be used to designate each specific file within the category of files described by the first 6 characters of the file identification field. Alphabetic characters may be used in the event that more than 99 unique files are required within a particular application file type.

In summary, the use of the above naming conventions will make the nature of a file easily recognizable to system users or programmers. The first two characters will represent the agency which is primarily responsible for the data entry/update of the data base. The next three characters will represent the name of the application. The sixth character will represent the file type, and the last two characters are used to uniquely identify each separate file.

There may be special instances where the established conventions might be inadequate. In those cases, the files will be renamed as appropriate.

Classes of Files

There will generally be three classes of files for the H-PASS system. The first class of files are those which are system-wide files utilized by many H-PASS applications. The prefix for these files will be "HPSYS".

The second class of files will be labled "HP---," where the --- will represent similar applications. These files will contain information which is uitilized by multiple users of a particular application. An example of these are the Special Management Area Permits and land use inventories. These applications will have many shared programs and table lookup files.

The third class of files are those which will be only utilized by a particular application. These programs and files will be labeled with the appropriate agency and application codes.

Library Management

The WANG VS system stores all files within libraries, and provides utilities for managing and listing library contents. The use of various classes of file libraries allows control over access to files and facilitates the separation of development activities from operational activities. The purpose of this section is to outline the library management procedures for the H-PASS system.

The VS library name may contain up to eight characters. As in the naming of files, the first of these eight characters must be an alpha character. After the first alpha character, the library name may include any set of alpha and numeric characters, excluding special characters such as slashes and dashes.

Application Development Libraries

Application development libraries are those which are created during the development phase of an H-PASS application. Each application will have its own library. The name of the library will be structured similar to the name of files, except for the last three characters. The first two characters, as in the name of files, will represent the agency which is

responsible for data entry/update. The next three characters of the library name will represent the application. The last three characters of a library will be called DEV for development libraries. This is to designate the development versions of an application's files, which may differ from those released to production. In general, development libraries are used by HPASS programmers and systems developers, and users will not have access to these files.

Operational Libraries

When an application becomes operational, the last three characters of the library name will be changed to PRO. PRO stands for PRODUCTION MODE, and will represent the operational nature of the system. In general, no modifications to programs in the production library will be allowed. Program development and modifications will occur within the development library, and tested programs will be "released" (copied) to the production library

B. Specific DPCIP Files

The files which will be used for the Capital Improvements Program Application are as follows:

1. Program Files

What follows is a list of the executable program (object) files which will utilized in the execution of the Capital Improvements Program application (source program files are not listed here). These files have been described in Section VI of this report.

File ID	Type of File	File Description
DPCIP001	Object-Program	Displays DATA ENTRY screens to create or modify Appropriation records.
DPCIP002	Object-Program	Displays DATA ENTRY screens to create or modify Allotment records.

DPCIP003	Object-Program	Displays DATA ENTRY screens to create or modify Project records.
DPCIP004	Object-Program	Displays DATA ENTRY screens to create or modify Expenditure Plan records.

2. Data Files

What follows is a list of the data files which will be operated for the CIP process. There are basically four data files which will be needed. These files are described below.

File ID	Type of File	File Description
DPCIPD01	Indexed	This file contains the Appropriations data, including the Account numbers of the various Appropriations.
DPCIPD02	Indexed	This file contains the Allotment Advice data, and is considered to be a "detail" file of DPCIPD01.
DPCIPD03	Indexed	This file contains the general Project information: location, effect of project, special considerations (SMA, Historic Site, etc.) project status, and funding.
DPCIPD04	Indexed	This file contains the Project Expenditure Plan information which essentially summarizes the proposed general budget for a Project. It is considered to be a "detail" file of DPCIPD03.

3. Control Files

What follows is a brief description of the control files which will be utilized in the DPCIP application. The Control files define and describe DPCIP data files, and are used by the REPORT utility in generating reports.

A. HPASS System Level Control Files - HPSYS

File ID	Type of File	File Description
HPSYSC02	Control	Control File Describes HPSYST02 Table File - ISLAND
HPSYSC03	Control	Control File Describes HPSYST03 Table File - COUNTY
HPSYSC23	Control	Control File Describes HPSYST23 Table File - COUNTY OF HAWAII TMK ZONE
HPSYSC33	Control	Control File Describes HPSYST33 Table File - COUNTY OF KAUAI TMK ZONE
HPSYSC43	Control	Control File Describes HPSYST43 Table File - COUNTY OF MAUI TMK ZONE
HPSYSC53	Control	Control Files Describes HPSYST53 Table File - CITY AND COUNTY TMK ZONE
HPSYSC61	Control	Control File Describes HPSYST61 Table File - DEPARTMENT
HPSYSC62	Control	Control File Describes HPSYST62 Table File - DIVISION WITHIN DEPARTMENT
HPSYSC63	Control	Control File Describes HPSYST63 Table File - SUBUNIT WITHIN DIVISION

B. Capital Improvements Program Application Control Files-DPCIP

File ID	Type of File	File Description
DPCIPCA1	Control	Control File Describes the current CIP Appropriations data file (DPCIPD01)
DPCIPCA2	Control	Control File Describes the current CIP Allotment Advice data file (DPCIPD02)
DPCIPCA3	Control	Control File Describes the current CIP Project Information data file (DPCIPD03)
DPCIPCA4	Control	Control File Describes the current CIP Project Expenditure data file (DPCIPD04)
DPCIPC01	Control	Control File Describes DPCIPT01 Table File - FUNDING STATUS
DPCIPC02	Control	Control File Describes DPCIPT02 Table File - FUNDING TYPES
DPCIPC03	Control	Control File Describes DPCIPT03 Table File - PROJECT PHASE (CYCLE)
DPCIPC04	Control	Control File Describes DPCIPT04 Table File - PROJECT STATUS
DPCIPC05	Control	Control File Describes DPCIPT05 Table File - REPRESENTATIVE DISTRICT

4. Report Program and Report Definition Files

What follows is a list of the report program and report definition files. There are four customized report programs (object modules) that produce the major profile reports and three Report Definition files that produce brief summary reports through use of the WANG REPORT utility in conjunction with the user-exit program DPCIPR00. The report definition files provide the specific titles and parameters necessary for REPORT to generate a customized report as defined by the file. The user-exit program is called by the REPORT utility program to provide the necessary table lookup functions required to convert numeric codes to their text equivalents for more readable reports.

The use of the REPORT utility and report definition files minimizes the amount of custom programming required for report generation.

File ID	Type of File	File Description
DPCIPR00	Object-Program	MASTER TABLE LOOKUP ROUTINE
DPCIPR01	Object-Program	APPROPRIATIONS/ALLOTMENTS PROFILE
DPCIPR02	Object-Program	APPROPRIATION ACCOUNTS PROFILE
DPCIPR03	Object-Program	PROJECTS/EXPENDITURE PLANS PROFILE INCLUDING ALL RELATED ALLOTMENTS
DPCIPR04	Object-Program	CONSTRUCTION STATUS SUMMARY
DPCIPR01	Report Definition	PROJECTS BY COUNTY
DPCIPR02	Report Definition	PROJECTS IN SPECIAL MANAGEMENT AREAS
DPCIPR03	Report Definition	PROJECTS BY TAX MAP KEY

There will be many other special reports which have not yet been finalized among the user agencies. When those reports have been finalized, they will be added to this listing.

5. Table Files

What follows is a list of the table files used by the REPORT utility, through the user-exit program DPCIPR00, to place text equivalents of coded values in reports. This will minimize the amount of the "codes" in reports. The number of table files may be reduced for those tables with less than 9 values. In these cases, the values will be embedded within the appropriate programs.

A. HPASS System-Level Table Files - HPSYS

File ID	Type of File	File Description
HPSYST02	Consecutive	ISLAND
HPSYST03	Consecutive	COUNTY
HPSYST23	Consecutive	COUNTY OF HAWAII TMK ZONE
HPSYST33	Consecutive	COUNTY OF KAUAI TMK ZONE
HPSYST43	Consecutive	COUNTY OF MAUI TMK ZONE
HPSYST53	Consecutive	CITY AND COUNTY TMK ZONE
HPSYST61	Consecutive	DEPARTMENT
HPSYST62	Consecutive	DIVISION WITHIN DEPARTMENT
HPSYST63	Consecutive	SUBUNIT WITHIN DIVISION

B. Capital Improvements Program Application Table Files - DPCIP

File ID	Type of File	File Description
DPCIPT01	Consecutive	FUNDING STATUS
DPCIPT02	Consecutive	FUNDING TYPES
DPCIPT03	Consecutive	PROJECT PHASE (CYCLE)
DPCIPT04	Consecutive	PROJECT STATUS
DPCIPT05	Consecutive	REPRESENTATIVE DISTRICT

IX. DATA ACCESS AND SECURITY

IX. DATA ACCESS AND SECURITY

Control over access to data is an important issue in any multi-user system. The H-PASS data files will contain (a) data which will be available to anyone, (b) data which will be restricted to a group of users, and (c) data which will be restricted to a select few. To implement a system for data access and security, procedures for determining data access and security will be developed and implemented.

Data File Organization

Each of the applications which will be developed under the Hawaii Permit Application and Support System will have an independent data file. The organization of the data in independent files instead of a common or shared data base is provided for in this design to enhance security as well as speed up application development time.

Data Access

Data access and security procedures must be specified for each application, including specification of which users have access to the various classes of data and which users are authorized to update data in their files.

Data access arrangements shall be specified in a formal agreement between DPED and the H-PASS users to avoid user conflicts over data use. Restrictions on data access are contained in Section V.A which describes the output reports.

The categories of data access are as follows:

1. No Restrictions on Use: the data in here are available to all users without restrictions for reading.

2. Notification before Use: the data are available for use but the data donor requests notification and authorization before releasing data for use.

3. Restricted Use: access is restricted to only those who are authorized.

Security

In addition to considerations as to which users will be allowed access to data, there are the related considerations of controlling access to the system itself, to the use of various programs within the system, and control over the updating of data within the system files. This section describes the various types of security measures to be implemented on the Hawaii Permit Application Support System.

Password System

To use any terminal in H-PASS, a user will be required by the system to enter a valid password. The user password represents an initial barrier to an unauthorized user. Passwords will be maintained in a system file and printing of the password at a user terminal will be suppressed in order to maintain confidentiality of the password. It will be necessary to delete passwords upon termination of formally authorized users.

Security by Terminal Location

Access to H-PASS will be controlled to some extent by the limited number of terminals within the system and the physical control over access to the terminals.

In addition, the permissible types of access to programs and data will be specified for each terminal location. For example, an authorized user on a terminal located in Hawaii County would be permitted to update Hawaii County data files only.

Control of File Updating

The ability to alter file contents, referred to as write authorization, will be strictly controlled through the use of user passwords .

Remote Job Entry Mode of System Operation

The proposed remote job entry (RJE) mode of operation of user terminals (all Word Processor users) limits the nature of possible interaction between the user and the main computer. The main computer will respond only to specified requests from a remote terminal, as opposed to an interactive mode of operation where a remote user could issue commands directly to the computer operating system.

Physical Data Security

To protect against loss of data through hardware or software problems, the contents of the system files will be periodically copied to magnetic tape or a removable disk. This procedure is known as a system backup. In the event of a system failure affecting the system files, the system files can be restored to the point at which the last backup was performed by re-loading from the backup tape or disk. Any data transmitted between the time of the system failure and the previous backup would be re-transmitted as necessary to fully restore the system files.

APPENDICES

Appendix A: CIP Data Dictionary

Appendix B: CIP User Codebook

Appendix C: CIP Control File Layout

APPENDIX A:

CAPITAL IMPROVEMENTS PROGRAM DATA DICTIONARY

Section 1: DPCIPD01

Section 2: DPCIPD02

Section 3: DPCIPD03

Section 4: DPCIPD04

DESIGN DOCUMENT
Capital Improvement Program

APPENDIX A
DATA DICTIONARY FOR CAPITAL IMPROVEMENTS PROJECT SYSTEM

The data dictionary is developed with the intent of enabling the utilization of separate files for the CIP systems. This decision is based on the belief that the most efficient means for handling a data base in which the files necessarily contain a near-unlimited number of fields per individual case of the CIP system (Appropriation, Allotment, Project, or Expenditure Plan) is to allow for storage of the different record types in individual files.

The near-unlimited number of fields and records in the CIP files makes a single file data base unfeasible because the number of fields that would be needed to provide sufficient space for all the cases of any given data addition (ranging from 1 to "N" cases per Appropriation, 1 to "N" cases per Allotment types, 1 to "N" cases for Projects, and 1 to "N" case for Project Expenditure Plans). The varying quantity of data elements relating to any particular aspect of the system would necessarily call for providing the maximum number of fields for each case. This would lead to individual records of completely unmanageable size. Thus, the four file system was developed to provide the maximum flexibility in accomodating any number of related fields and file cross-refernces.

There are four data dictionaries contained in this Appendix. The first reflects the Appropriation and Accounts file (DPCIPD01). The second reflects the Allotments file (DPCIPD02). The third reflects the Project location and general information file (DPCIPD03). And the fourth reflects the Project Expenditure Plan file (DPCIPD04).

APPENDIX A
Section 1
DATA DICTIONARY FOR DPCIPD01
Appropriation/Accounts file

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
001	YEAR	02	0001	A	Calender Year	Calender Year of CIP ACT			X		
002	FISCYEAR	02	0003	A	Fiscal Year	Fiscal Year (00, 01, or 02)					
003	ACT	04	0005	A	Act Number	CIP Act Number			X		
004	ITEM	10	0009	A	Item Number	Item Number of CIP ACT			X		
005	TRAILNUM	04	0019	A	No. Last Detail	Last Trailer Record					
006	DEPT	01	0023	A	Department	User Agency (Department)			X		
007	DIVISION	02	0024	A	Division	Division Within User Agency					
008	FUNCTION	01	0026	A	Function	Function of Particular Appr.			X		
009	TITLE1	60	0027	A	Title	Title of CIP Appropriation (line 1)			X		
010	TITLE2	60	0087	A	Title	Title of CIP Appropriation (line 2)					
011	STATWIDE	01	0147	A	Statewide	Statewide Effect					
012	COUNWIDE	01	0148	A	Countywide	Countywide Effect					
013	ISLWIDE	01	0149	A	Islandwide	Islandwide Effect					
014	ISLAND	01	0150	A	Island	Target Island of Appropriation			X		
015	JUDDIST	01	0151	A	Judicial District	Judicial District					
016	REPDIST	03	0152	A	Representative	Representative District					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
017	SENDIST	03	0155	A	Senatorial	Senatorial District					
018	NEIGHBRD	02	0158	A	Neighborhood	Neighborhood Board					
019	CENTRACT	03	0160	A	Census Tract	Census Tract					
020	TMKZONE	01	0165	A	Zone	TMK Zone					
021	TMKSECT	01	0166	A	Section	TMK Section					
022	TMKPLAT	03	0167	A	Plat	TMK Plat					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
023	TMKPARCL	03	0170	A	Parcel	TMK Parcel					
024	SMA	01	0173	A	SMA related	Is this a Special Management Area? Y=Yes N=No					
025	FLOODHAZ	01	0174	A	Flood Hazard	Flood Hazard area? Y=Yes N=No					
026	HISTSITE	01	0175	A	Historical Site	Historical Site? Y=Yes N=No					
027	SPECDESN	01	0176	A	Special Design	Special Design District? Y=Yes N=No					
028	COMDIST	67	0177	A	District Comments	Comments on District Information					
029	APPTOTAL	09	0244	N	Total funds	Total Funds Appropriated			X		
030	APPROBAL	09	0249	N	Balance Remaining	Balance of Total Appropriation Funds Remaining					
031	AAMOUNT1	09	0254	N	Amount 1	Appropriation Amt #1			X		
032	APP1EXP	06	0259	A	Expiration Date	Appropriation #1 Expiration Date			X		
033	LMPACCT1	08	0265	A	General Acct No.	Lump Sum Account Number #1					
034	FUNTYP1	01	0273	A	Funding Type	Funding Type #1					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
035	BALAPP1	09	0274	N	Balance Remaining	Balance Remaining Lump Sum Acct. #1					
036	PLAN1ACT	08	0279	A	Account Number	Acct. Number Planning Phase (App. Amt #1)					
037	PLAN1PH	09	0278	N	Amount Planning	Appropriated Amt, Planning Phase (App Amt. #1)					
038	PLAN1BL	09	0292	N	Balance Remaining	Balance Remaining Planning Phase (App Amt. #1)					
039	DESN1ACT	08	0297	A	Account Number	Acct. Number Design Phase (App. Amt #1)					
040	DESIN1PH	09	0305	N	Amount Design	Appropriated Amt, Design Phase (App Amt. #1)					
041	DESIN1BL	09	0310	N	Balance Remaining	Balance Remaining Design Phase (App Amt. #1)					
042	CONS1ACT	08	0315	A	Account Number	Acct. Number Construction Phase (App. Amt #1)					
043	CONST1PH	09	0323	N	Amount Constr.	Appropriated Amt, Construction Phase (App Amt. #1)					
044	CONST1BL	09	0328	N	Balance Remaining	Balance Remaining Construction Phase (App Amt. #1)					
045	LAND1ACT	08	0333	A	Account Number	Acct. Number Land Acquisition Phase (App. Amt #1)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
046	LAND1PH	09	0341	N	Amount Land Acq.	Appropriated Amt, Land Acquisition Phase (App Amt. #1)					
047	LAND1BL	09	0346	N	Balance Remaining	Balance Remaining Land Acquisition Phase (App Amt. #1)					
048	EQUI1ACT	08	0351	A	Account Number	Acct. Number Equipment Phase (App. Amt #1)					
049	EQU1P1PH	09	0359	N	Amount Equipment	Appropriated Amt, Equipment Phase (App Amt. #1)					
050	EQU1P1BL	09	364	N	Balance Remaining	Balance Remaining Equipment Phase (App Amt. #1)					
051	AAMOUNT2	09	0369	N	Amount 2	Appropriation Amt #2					
052	APP2EXP	06	0374	A	Expiration Date	Appropriation #2 Expiration Date					
053	LMPACCT2	08	0380	A	General Acct. No.	Lump Sum Acct. Number #2					
054	FUNDTYP2	01	0388	A	Funding Type 2	Funding Type #2					
055	BALAPP2	09	0389	N	Balance Remaining	Balance Remaining Lump Sum Acct. #2					
056	PLAN2ACT	08	0394	A	Account Number	Acct. Number Planning Phase (App. Amt #2)					
057	PLAN2PH	09	0402	N	Amount Planning	Appropriated Amt, Planning Phase (App. Amt. #2)					
058	PLAN2BL	09	0407	N	Balance Remaining	Balance Remaining Planning Phase (App. Amt. #2)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
059	DESN2ACT	08	0412	A	Account Number	Acct. Number Design Phase (App. Amt #2)					
060	DESIN2PH	09	0420	N	Amount Design	Appropriated Amt, Design Phase (App. Amt. #2)					
061	DESIN28L	09	0425	N	Balance Remaining	Balance Remaining Design Phase (App. Amt. #2)					
062	CONS2ACT	08	0430	A	Account Number	Acct. Number Construction Phase (App. Amt #2)					
063	CONST2PH	09	0438	N	Amount Constr.	Appropriated Amt, Construction Phase (App. Amt. #2)					
064	CONST28L	09	0443	N	Balance Remaining	Balance Remaining Construction Phase (App. Amt. #2)					
065	LAND2ACT	08	0448	A	Account Number	Acct. Number Land Acquisition Phase (App. Amt #2)					
066	LAND2PH	09	0456	N	Amount Land Acq.	Appropriated Amt, Land Acquisition Phase (App. Amt. #2)					
067	LAND28L	09	0461	N	Balance Remaining	Balance Remaining Land Acquisition Phase (App. Amt. #2)					
068	EQU12ACT	08	0466	A	Account Number	Acct. Number Equipment Phase (App. Amt #2)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
069	EQUIP2PH	09	0474	N	Amount Equipment	Appropriated Amt, Equipment Phase (App. Amt. #2)					
070	EQUIP2BL	09	0479	N	Balance Remaining	Balance Remaining Equipment Phase (App. Amt. #2)					
071	AAMOUNT3	09	0484	N	Amount 3	Appropriation Amt #3					
072	APP3EXP	06	0489	A	Expiration Date	Appropriation #3 Expiration Date					
073	LMPACCT3	08	0495	A	General Acct. No.	Lump Sum Acct. Number #3					
074	FUNDTYP3	01	0503	A	Funding Type 3	Funding Type #3					
075	BALAPP3	09	0504	N	Balance Remaining	Balance Remaining Lump Sum Acct. #3					
076	PLAN3ACT	08	0509	A	Account Number	Acct. Number Planning Phase (App. Amt #3)					
077	PLAN3PH	09	0517	N	Amount Planning	Appropriated Amt, Planning Phase (App. Amt. #3)					
078	PLAN3BL	09	0522	N	Balance Remaining	Balance Remaining Planning Phase (App. Amt. #3)					
079	DESN3ACT	08	0527	A	Account Number	Acct. Number Design Phase (App. Amt #3)					
080	DESIN3PH	09	0535	N	Amount Design	Appropriated Amt, Design Phase (App. Amt. #3)					
081	DESIN3BL	09	0540	N	Balance Remaining	Balance Remaining Design Phase (App. Amt. #3)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
082	CONS3ACT	08	0545	A	Account Number	Acct. Number Construction Phase (App. Amt #3)					
083	CONST3PH	09	0553	N	Amount Constr.	Appropriated Amt, Construction Phase (App. Amt. #3)					
084	CONST3BL	09	0558	N	Balance Remaining	Balance Remaining Construction Phase (App. Amt. #3)					
085	LAND3ACT	08	0563	A	Account Number	Acct. Number Land Acquisition Phase (App. Amt #3)					
086	LAND3PH	09	0571	N	Amount Land Acqu.	Appropriated Amt, Land Acquisition Phase (App. Amt. #3)					
087	LAND3BL	09	0576	N	Balance Remaining	Balance Remaining Land Acquisition Phase (App. Amt. #3)					
088	EQUI3ACT	08	0581	A	Account Number	Acct. Number Equipment Phase (App. Amt #3)					
089	EQUIP3PH	09	0589	N	Amount Equipment	Appropriated Amt, Equipment Phase (App. Amt. #3)					
090	EQUIP3BL	09	0594	N	Balance Remaining	Balance Remaining Equipment Phase (App. Amt. #3)					
091	AAMOUNT4	09	0599	N	Amount 4	Appropriation Amt #4					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
092	APP4EXP	06	0604	A	Expiration Date	Appropriation #4 Expiration Date					
093	LMPACCT4	08	0610	A	General Acct. No.	Lump Sum Acct. Number #4					
094	FUNDTYP4	01	0618	A	Funding Type 4	Funding Type #4					
095	BALAPP4	09	0619	N	Balance Remaining	Balance Remaining Lump Sum Acct. #4					
096	PLAN4ACT	08	0624	N	Account Number	Acct. Number Planning Phase (App. Amt #4)					
097	PLAN4PH	09	0632	N	Amount Planning	Appropriated Amt, Planning Phase (App. Amt. #4)					
098	PLAN4BL	09	0637	N	Balance Remaining	Balance Remaining Planning Phase (App. Amt. #4)					
099	DESN4ACT	08	0642	A	Account Number	Acct. Number Design Phase (App. Amt #4)					
100	DESIN4PH	09	0650	N	Amount Design	Appropriated Amt, Design Phase (App. Amt. #4)					
101	DESIN4BL	09	0655	N	Balance Remaining	Balance Remaining Design Phase (App. Amt. #4)					
102	CONS4ACT	08	0660	A	Account Number	Acct. Number Construction Phase (App. Amt #4)					
103	CONST4PH	09	0668	N	Amount Constr.	Appropriated Amt, Construction Phase (App. Amt. #4)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
104	CONST4BL	09	0673	N	Balance Remaining	Balance Remaining Construction Phase (App. Amt. #4)					
105	LAND4ACT	08	0678	A	Account Number	Acct. Number Land Acquisition Phase (App. Amt #4)					
106	LAND4PH	09	0686	N	Amount Land Acqu.	Appropriated Amt, Land Acquisition Phase (App. Amt. #4)					
107	LAND4BL	09	0691	N	Balance Remaining	Balance Remaining Land Acquisition Phase (App. Amt. #4)					
108	EQUI4ACT	08	0696	A	Account Number	Acct. Number Equipment Phase (App. Amt #4)					
109	EQUIP4PH	09	0704	N	Amount Equipment	Appropriated Amt, Equipment Phase (App. Amt. #4)					
110	EQUIP4BL	09	0709	N	Balance Remaining	Balance Remaining Equipment Phase (App. Amt. #4)					
111	AAMOUNT5	09	0714	N	Amount 5	Appropriation Amt #5					
112	APP5EXP	06	0719	A	Expiration Date	Appropriation #5 Expiration Date					
113	LMPACCT5	08	0725	A	General Acct. No.	Lump Sum Acct. Number #5					
114	FUNDTYP5	01	0733	A	Funding Type 5	Funding Type #5					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
115	BALAPP5	09	0734	N	Balance Remaining	Balance Remaining Lump Sum Acct. #5					
116	PLAN5ACT	08	0739	A	Account Number	Acct. Number Planning Phase (App. Amt #5)					
117	PLAN5PH	09	0747	N	Amount Planning	Appropriated Amt, Planning Phase (App. Amt. #5)					
118	PLAN58L	09	0752	N	Balance Remaining	Balance Remaining Planning Phase (App. Amt. #5)					
119	DESN5ACT	08	0757	A	Account Number	Acct. Number Design Phase (App. Amt #5)					
120	DESIN5PH	09	0765	N	Amount Design	Appropriated Amt, Design Phase (App. Amt. #5)					
121	DESIN5BL	09	0770	N	Balance Remaining	Balance Remaining Design Phase (App. Amt. #5)					
122	CONS5ACT	08	0775	A	Account Number	Acct. Number Construction Phase (App. Amt #5)					
123	CONST5PH	09	0783	N	Amount Constr.	Appropriated Amt, Construction Phase (App. Amt. #5)					
124	CONST5BL	09	0788	N	Balance Remaining	Balance Remaining Construction Phase (App. Amt. #5)					
125	LAND5ACT	08	0793	A	Account Number	Account Number Land Aquisition Phase (App. Amt #5)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
126	LAND5PH	09	0801	N	Amount Land Acqu.	Appropriated Amount, Land Aquisition Phase (App. Amt. #5)					
127	LAND5BL	09	0806	N	Balance Remaining	Balance Remaining Land Aquisition Phase (App. Amt. #5)					
128	EQU15ACT	08	0811	A	Account Number	Account Number Equipment Phase (App. Amt #5)					
129	EQU1P5PH	09	0819	N	Amount Equipment	Appropriated Amount, Equipment Phase (App. Amt. #5)					
130	EQU1P5BL	09	0824	N	Balance Remaining	Balance Remaining Equipment Phase (App. Amt. #5)					
131	EXTRASP	73	0829	A	Extra Space	Extra Space if needed for later expansion					

APPENDIX A
Section 2
DATA DICTIONARY FOR DPCIPD02
Allotment Advice file

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
001	LASTRAIL	01	0001	A	Last Trailer	Last Trailer Record Bit Indicator					
002	HEADYR	02	0002	A	Calender Year	Calender Year of Act					
003	FISCYEAR	02	0004	A	Fiscal Year	Fiscal Year of Appropriation					
004	HEADACT	04	0006	A	Act Number	CIP Act Number of Appropriation					
005	HEADITM	10	0010	A	Item Number	Item Number of Appropriation					
006	SEQNUM	04	0020	A	Sequence Number	Detail file Allotment Sequence Number on Appropriation					
007	TOACCTNM	08	0024	A	To Account	To Accout Number (if transferring monies or changing funding means)					
008	TOFUNDTP	01	0032	A	Funding Type to	Funding type of Account funds transferred to					
009	AAFUNDTP	01	0041	A	Funding Type from	Allotment Funding Type					
010	FRACCTNM	08	0033	A	From Account	From Account Number (most frequently used for releasing of funds)					
011	AANUM	04	0042	A	AA Number	Allotment Advice Number					
012	AADATE	04	0046	A	AA Date	Date of Allotment Advice (MMYY)					
014	AAMOUNT	09	0050	N	AA Amount	Allotment Amount					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
015	PURPOSE	05	0055	A	AA Purpose	Purpose of Allotment (Phase: P,D,L,C,E)					
016	COMMENT	65	0060	A	Comments	Comments on Allotment					
017	EXTRASP	02	0125	A	Extra Space	Extra Space if needed later					

APPENDIX A
Section 3
DATA DICTIONARY FOR DPCIPD03
General Project Information File

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
001	PROJNUM	20	0001	A	Project Number	DPED Project Number (15 Char. maximum.)					
002	TRAILNUM	05	0021	A	Last Sequence Number	Sequence Number of Last Trailer Record					
003	STATWIDE	01	0026	A	Statewide	Statewide Effect					
004	COUNWIDE	01	0027	A	Countywide	Countywide Effect					
005	ISLWIDE	01	0028	A	Islandwide	Islandwide Effect					
006	ISLAND	01	0029	A	Island	Island of Project Occurence					
007	JUDDIST	01	0030	A	Judicial District	Judicial District of Project					
008	REPDIST	03	0031	A	Representative	Representative District					
009	SENDIST	03	0034	A	Senatorial	Senatorial District					
010	NEIGHBRD	02	0037	A	Neighborhood	Neighborhood Board					
011	CENTRACT	03	0039	A	Census Tract	Census Tract					
012	TMKZONE	01	0044	A	Zone	TMK Zone					
013	TMKSECT	01	0045	A	Section	TMK Section					
014	TMKPLAT	03	0046	A	Plat	TMK Plat					
015	TMKPARCL	03	0049	A	Parcel	TMK Parcel					
016	SMA	01	0052	A	SMA	Is this in a Special Management Area? Y=Yes N=No					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
017	FLOODHAZ	01	0053	A	Flood Hazard	Is this a Flood Hazard area? Y=Yes N=No					
018	HISTSITE	01	0054	A	Historial Site	Is this a Historical Site? Y=Yes N=No					
019	SPECDESN	01	0055	A	Special Design	Is this a Special Design district? Y=Yes N=No					
020	COMDIST	67	0056	A	District Comment	Comments on district information					
021	AGENCY	01	0123	A	Department	(Dept) Agency Number (A-Z)					
022	AGNCYSUB	02	0124	A	Division	(Dept) Agency Division					
023	PRIORITY	04	0126	A	Priority Number	Priority Number of Project					
024	PROJTYPE	01	0130	A	Type	Project Type(A,B,V)					
025	PRJTITL1	65	0131	A	Title	Project Title and Description (line 1)					
026	PRJTITL2	65	0196	A	Title	Project Title and Description (line 2)					
027	DEPTNUM	20	0261	A	User Department	Department Number					
028	DESGNDAT	04	0281	A	Design Date	Start Design Date MMYY					
029	CONSTDAT	04	0285	A	Construction Date	Start Construction Date MMYY					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
030	PLANDATE	04	0289	A	Planning Date	Start Planning Date MMYY					
031	LNDAQDAT	04	0293	A	Land Acq. Date	Start Land Acquisition Date MMYY					
032	EQUIPDAT	04	0297	A	Equipment Date	Start Equipment Acquisition Date MMYY					
033	COMPDATE	04	0301	A	Completion Date	Project Completion Date MMYY					
034	STATFUND	06	0305	N	State Funds	Amount of State Funds (in thousands of dollars)					
035	CNTYFUND	06	0309	N	County Funds	Amount of County Funds (in thousands of dollars)					
036	FEDLFUND	06	0313	N	Federal Funds	Amount of Federal Funds (in thousands of dollars)					
037	PRVTFUND	06	0317	N	Private Funds	Amount of Private Funds (in thousands of dollars)					
038	TOTLFUND	06	0321	N	Total Funds	Total Funds of the Project (in thousands of dollars)					
039	EXPAGNCY	01	0325	A	Expending Agency	Expending Agency Code					
040	FUNCTION	01	0328	A	Function	Function Code					
041	PROJSTAT	01	0329	A	Status	Project Status Code.					
041	PROJPHAS	05	0330	A	Phase	Current PHASE-(L,D,P,C,E)					
042	COMMENT1	65	0335	A	Comments	Comments re Project					
043	COMMENT2	65	0400	A	Comments	Comments re Project Cont.					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
044	EXPDFY	06	0465	N	Expense Fiscal Yr	Actual Expenditure Current Fiscal Year Amount (in thousands of dollars)					
045	EXPDQUT1	05	0469	N	Expense Quarter 1	Actual Expenditure First Quarter Amount (in thousands of dollars)					
046	EXPDQ1PH	05	0472	A	Phase Quarter 1	Phase of Project in Quarter 1					
047	EXPDQUT2	05	0477	N	Expense Quarter 2	Actual Expenditure Second Quarter Amount (in thousands of dollars)					
048	EXPDQ2PH	05	0480	A	Phase Quarter 2	Phase of Project in Quarter 2					
049	EXPDQUT3	05	0485	N	Expense Quarter 3	Actual Expenditure Third Quarter Amount (in thousands of dollars)					
050	EXPDQ3PH	05	0488	A	Phase Quarter 3	Phase of Project in Quarter 3					
051	EXPDQUT4	05	0493	N	Expense Quarter 4	Actual Expenditure Fourth Quarter Amount (in thousands of dollars)					
052	EXPDQ4PH	05	0496	A	Phase Quarter 4	Phase of Project in Quarter 4					

APPENDIX A
Section 4
DATA DICTIONARY FOR DPCIPD04
Project Expendure Plan file

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
001	LASTRAIL	01	0001	A	Last Trailer	Last trailer record indicator					
002	PROJNUM	20	0002	A	Project Number	DPED assigned Project Number					
003	SEQNUM	05	0022	A	Sequence Number	Detail file Sequence number on given Project					
004	EXAMOUNT	06	0027	N	Expenditure Amount	Amount of Expenditure Incurred (in thousands of dollars)					
005	EXPPHASE	05	0031	A	Phase	Phase in which this Expenditure is Incurred					
006	AAMOUNT	06	0036	N	Amount Authorized	Authorization Amount (in thousands of dollars)					
007	ACCTNUM	08	0040	A	Account number	Account Number of funds					
008	CURNTAMT	06	0048	N	Current Amount	Current Fiscal Year Amount (in thousands of dollars)					
009	QUARTER1	05	0052	N	First Quarter	First Quarter Amount (in thousands of dollars)					
010	QUARTER2	05	0055	N	Second Quarter	Second Quarter Amount (in thousands of dollars)					
011	QUARTER3	05	0058	N	Third Quarter	Third Quarter Amount (in thousands of dollars)					
012	QUARTER4	05	0061	N	Fourth Quarter	Fourth Quarter Amount (in thousands of dollars)					

HAWAII PERMIT APPLICATION AND SUPPORT SYSTEM
DATA DICTIONARY FOR APPLICATION DESIGN DOCUMENT 5: CAPITAL IMRPOVEMENT PROGRAM
Capital Improvements Project System

Ref.	Data Element Name	Length of Field	Record Location	Type of Data	Full Name	Description and Data Codes	Range/ Table Check	Key	Req'd	Source	Number of Updates
013	NXTYEAR	05	0064	N	Next Fiscal Year	Next Fiscal Year Amount (in thousands of dollars)					
014	FUTRAMT	05	0067	N	Future Fiscal Year	Future Fiscal Year Amount (in thousands of dollars)					
015	UNRQAMT	05	0070	N	Unrequired Amount	Unrequired Amount (in thousands of dollars)					
016	FUNDSTAT	01	0073	A	Funding Status	Funding Status (X,Y,Z)					
017	FUNDCODE	01	0074	A	Funding code	Funding Code (GOB,Special, Revenue, General, etc. on Acctnum					
018	YEAR	02	0075	A	Calender Year	Calender Year of CIP Act					
019	FISCYEAR	02	0077	A	Fiscal Year	Fiscal Year of CIP Act					
020	ACT	04	0079	A	Act number	Act Number					
021	ITEMNUM	10	0083	A	Item Number	Item Number					
022	AADVNUM	04	0093	A	AA Number	Allotment Advice Number					
023	AADATE	04	0097	A	AA Date	Allotment Advice Date enter MMYY					
024	EXTRASP	28	0101	A	Extra Space	Extra Space for Later Expansion if needed.					

APPENDIX B:

CAPITAL IMPROVEMENTS PROGRAM USER CODEBOOK

Capital Improvements Program User Code Book

H-PASS CIP CODEBOOK

1. ISLAND

10 Hawaii
20 Kahoolawe
30 Kauai
40 Lanai
50 Maui
60 Molokai
70 Niihau
80 Oahu
91 Necker
92 Nihoa
93 Lehua
94 Kaula

2. AGENCY

1 State
2 County
3 Federal
4 Private
5 Unclassified

3. SUBAGENCY

A Department of Agriculture
B Department of Planning & Economic Development
C Department of Land & Natural Resources
D Department of Transportation
E Department of Education
F University of Hawaii
G Department of Defense
H Department of Health
I Department of Hawaiian Homes Lands
J Judiciary
K Department of Social Services
L Department of Labor
M Department of Accounting & General Services
N Department of Attorney General

O	Department of Budget & Finance
P	Department of Personnel Services
Q	Office of the Governor
R	Department of Regulatory Agencies
S	Office of the Lt. Governor
T	Department of Taxation
U	City & County of Honolulu
V	County of Maui
W	County of Hawaii
X	County of Kauai
Y	Legislature
Z	Unclassified

4. DEPARTMENT DIVISION

A	Z	Unclassified
B	A	BOR
	B	HUD
	C	FTZ
	D	Director
	Z	Unclassified
C	A	Land Development
	B	Fish and Game
	C	Forestry
	D	State Parks
	E	Water Development
	Z	Unclassified
D.	A	Airports
	B	Harbors
	C	Highways
	D	Unclassified
E	A	Schools
	B	Public Libraries
	Z	Unclassified
F	A	Manoa Campus
	B	Hilo Campus
	C	Community Colleges
	D	Research
	E	Public Services
	F	Institutional Support
	Z	Unclassified

G	Z	Unclassified
H	A	Public Health
	B	Act 97 - Hospitals
	Z	Unclassified
I	Z	Unclassified
J	Z	Unclassified
K	A	Corrections
	B	Hawaiian Housing Authority
	Z	Unclassified
M	A	Design Branch
	B	Project Management Branch
	C	Inspection Branch
	Z	Unclassified
O,Q,R,S,Z	Z	Unclassified
U	A	Recreation
	B	Public Works
	C	Building
	D	Trans Serv
	E	HRA
	F	Water
V	A	Water
	B	Public Works
	C	Parks & Recreation
W	A	Water
	B	Public Works
	C	Parks & Recreation
X	A	Water
	B	Public Works
	C	Parks & Recreation

5. FUNCTIONAL

A	Agriculture
B	Conservation
C	Corrections
D	Economic Development

E Education
F Government Center
G Health
H Housing
I Public Safety
J Recreation
K Sewer System
L Planning County & Federal
M Transportation
N Water System

6. ISLAND OF PROJECT

1 Oahu
2 Maui
3 Hawaii
4 Kauai, Niihau, Lehua, and Kaula island
5 Molokai
6 Lanai
7 Maui County Wide
8 Unclassified
9
0 Statewide

6. CENSUS TRACT

Island	Judicial District		Census Tract
1	1	Honolulu	001-072
1	2	Ewa	073-089
1	3	Wahiawa	090-095
1	4	Waianae	096-098
1	5	Waialua	099-100
1	6	Koolauloa	101-102
1	0	Islandwide	119
2	1	Hana	301
2	2	Makawao	301-305
2	3	Wailuku	306-313
2	4	Lahaina	314-315
2	0	Islandwide	399
3	1	South Hilo	201-209
3	2	Puna	210-211
3	3	Kau	212
3	4	South Kona	213-215
3	5	North Kona	215-216
3	6	South Kohala	217
3	7	North Kohala	218
3	8	Hamakua	219-220
3	9	North Hilo	221
3	0	Islandwide	229
4	1	Lihue	404-405
4	2	Kawaihau	402-403
4	3	Hanalei	401
4	4	Waimea	408-409
4	5	Koloa	406-407
4	0	Islandwide	499
Niihau, Lehua and Kaula Island			410
5	1	Molokai	317-316
5	2	Kalawao	319
5	0	Islandwide	599
6	1	Lanai	316
6	0	Islandwide	799
7			699
8			899

7. PROJECT STATUS

1	completed project
2	cancelled project
3	on-going project
4	unclassified

8. TYPE OF REPORT

1	Construction Summary Report
2	Construction Schedule Report
3	Status Work Sheet
4	Area Summary Construction Schedule

9. OUTPUT TYPE

TT	teletype
LP	line printer

10. CZM Area

0	No
1	Yes
2	Partially

11. Flood Hazard Area

0	No
1	Flood Hazard Area
2	Tsunami Hazard Area
3	Both Flood and Tsunami Hazard Area

WE ARE MISSING CODES FOR:

1. Representative District
2. Senate District
3. Neighborhood Board District
4. Common Name Locality
5. Status? Perhaps a Stage List?

APPENDIX C:

CAPITAL IMPROVEMENTS PROGRAM CONTROL FILE LAYOUT

List of Control File
Control File Characteristics

File Name: DPCIPCA1
Appropriation Header

Records are compressed, maximum record size is 1024
File organization is indexed, with key field = APPROP

OPERATION	ALLOWED?
File report	YES
Record update	YES
Record deletion	YES

Description: APPROPRIATION/ALLOTMENT HEADER RECORD VERSION 1
CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS
DEVELOPED BY H-PASS & DPED Capital Improvements Program

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
APPROP	1	C	18	18	18	0	1	R/U	YES				
TRAILNUM	19	C	4	4	4	0	1	R/U	YES				
DEPTDIVN	23	C	3	3	3	0	1	R/U	YES				
FUNCTION	26	C	1	1	1	0	1	R/U	YES				
TITLE1	27	C	60	60	60	0	1	R/U	YES				
TITLE2	87	C	60	60	60	0	1	R/U	YES				
STATWIDE	147	C	1	1	1	0	1	R/U	YES				
COUNWIDE	148	C	1	1	1	0	1	R/U	YES				
ISLWIDE	149	C	1	1	1	0	1	R/U	YES				
ISLAND	150	C	1	1	1	0	1	R/U	YES			HPSYST02	HPSYSC02
JUDDIST	151	C	1	1	1	0	1	R/U	YES				
REPDIST	152	C	3	3	3	0	1	R/U	YES				
SENDIST	155	C	3	3	3	0	1	R/U	YES				
NEIGHBRD	158	C	2	2	2	0	1	R/U	YES				
CENTRACT	160	C	5	5	5	0	1	R/U	YES				
TMKZONE	165	C	1	1	1	0	1	R/U	YES				
TMKSECT	166	C	1	1	1	0	1	R/U	YES				
TMKPLAT	167	C	3	3	3	0	1	R/U	YES				
TMKPARCL	170	C	3	3	3	0	1	R/U	YES				
SMA	173	C	1	1	1	0	1	R/U	YES				
FLOODHAZ	174	C	1	1	1	0	1	R/U	YES				
HISTSITE	175	C	1	1	1	0	1	R/U	YES				
SPECDESN	176	C	1	1	1	0	1	R/U	YES				
COMDIST	177	C	67	67	67	0	1	R/U	YES				
TOTAPPR	244	P	5	9	9	0	1	R/U	YES				

Capital Improvements Program Control File Layout

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
APPROBAL	249	P	5	9	9	0	1	R/U	YES				
AAMOUNT1	254	P	5	9	9	0	1	R/U	YES				
APP1EXP	259	C	6	6	6	0	1	R/U	YES				
LMPACCT1	265	C	8	8	8	0	1	R/U	YES				
FUNTYP1	273	C	1	1	1	0	1	R/U	YES				
BALAPP1	274	P	5	9	9	0	1	R/U	YES				
PLAN1ACT	279	C	8	8	8	0	1	R/U	YES				
PLAN1PH	287	P	5	9	9	0	1	R/U	YES				
PLAN1BL	292	P	5	9	9	0	1	R/U	YES				
DESN1ACT	297	C	8	8	8	0	1	R/U	YES				
DESIN1PH	305	P	5	9	9	0	1	R/U	YES				
DESIN1BL	310	P	5	9	9	0	1	R/U	YES				
CONS1ACT	315	C	8	8	8	0	1	R/U	YES				
CONST1PH	323	P	5	9	9	0	1	R/U	YES				
CONST1BL	328	P	5	9	9	0	1	R/U	YES				
LAND1ACT	333	C	8	8	8	0	1	R/U	YES				
LAND1PH	341	P	5	9	9	0	1	R/U	YES				
LAND1BL	346	P	5	9	9	0	1	R/U	YES				
EQUI1ACT	351	C	8	8	8	0	1	R/U	YES				
EQU1P1PH	359	P	5	9	9	0	1	R/U	YES				
EQUIP1BL	364	P	5	9	9	0	1	R/U	YES				
AAMOUNT2	369	P	5	9	9	0	1	R/U	YES				
APP2EXP	374	C	6	6	6	0	1	R/U	YES				
LMPACCT2	380	C	8	8	8	0	1	R/U	YES				
FUNDTYP2	388	C	1	1	1	0	1	R/U	YES				
BALAPP2	389	P	5	9	9	0	1	R/U	YES				
PLAN2ACT	394	C	8	8	8	0	1	R/U	YES				
PLAN2PH	402	P	5	9	9	0	1	R/U	YES				
PLAN2BL	407	P	5	9	9	0	1	R/U	YES				
DESN2ACT	412	C	8	8	8	0	1	R/U	YES				
DESIN2PH	420	P	5	9	9	0	1	R/U	YES				
DESIN2BL	425	P	5	9	9	0	1	R/U	YES				
CONS2ACT	430	C	8	8	8	0	1	R/U	YES				
CONST2PH	438	P	5	9	9	0	1	R/U	YES				
CONST2BL	443	P	5	9	9	0	1	R/U	YES				
LAND2ACT	448	C	8	8	8	0	1	R/U	YES				
LAND2PH	456	P	5	9	9	0	1	R/U	YES				
LAND2BL	461	P	5	9	9	0	1	R/U	YES				
EQUI2ACT	466	C	8	8	8	0	1	R/U	YES				
EQUIP2PH	474	P	5	9	9	0	1	R/U	YES				
EQU1P2BL	479	P	5	9	9	0	1	R/U	YES				
AAMOUNT3	484	P	5	9	9	0	1	R/U	YES				
APP3EXP	489	C	6	6	6	0	1	R/U	YES				
LMPACCT3	495	C	8	8	8	0	1	R/U	YES				
FUNDTYP3	503	C	1	1	1	0	1	R/U	YES				

Capital Improvements Program Control File Layout

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
BALAPP3	504	P	5	9	9	0	1	R/U	YES				
PLAN3ACT	509	C	8	8	8	0	1	R/U	YES				
PLAN3PH	517	P	5	9	9	0	1	R/U	YES				
PLAN3BL	522	P	5	9	9	0	1	R/U	YES				
DESN3ACT	527	C	8	8	8	0	1	R/U	YES				
DESIN3PH	535	P	5	9	9	0	1	R/U	YES				
DESIN3BL	540	P	5	9	9	0	1	R/U	YES				
CONS3ACT	545	C	8	8	8	0	1	R/U	YES				
CONST3PH	553	P	5	9	9	0	1	R/U	YES				
CONST3BL	558	P	5	9	9	0	1	R/U	YES				
LAND3ACT	563	C	8	8	8	0	1	R/U	YES				
LAND3PH	571	P	5	9	9	0	1	R/U	YES				
LAND3BL	576	P	5	9	9	0	1	R/U	YES				
EQU13ACT	581	C	8	8	8	0	1	R/U	YES				
EQUIP3PH	589	P	5	9	9	0	1	R/U	YES				
EQUIP3BL	594	P	5	9	9	0	1	R/U	YES				
AAMOUNT4	599	P	5	9	9	0	1	R/U	YES				
APP4EXP	604	C	6	6	6	0	1	R/U	YES				
LMPACCT4	610	C	8	8	8	0	1	R/U	YES				
FUNDTYP4	618	C	1	1	1	0	1	R/U	YES				
BALAPP4	619	P	5	9	9	0	1	R/U	YES				
PLAN4ACT	624	C	8	8	8	0	1	R/U	YES				
PLAN4PH	632	P	5	9	9	0	1	R/U	YES				
PLAN4BL	637	P	5	9	9	0	1	R/U	YES				
DESN4ACT	642	C	8	8	8	0	1	R/U	YES				
DESIN4PH	650	P	5	9	9	0	1	R/U	YES				
DESIN4BL	655	P	5	9	9	0	1	R/U	YES				
CONS4ACT	660	C	8	8	8	0	1	R/U	YES				
CONST4PH	668	P	5	9	9	0	1	R/U	YES				
CONST4BL	673	P	5	9	9	0	1	R/U	YES				
LAND4ACT	678	C	8	8	8	0	1	R/U	YES				
LAND4PH	686	P	5	9	9	0	1	R/U	YES				
LAND4BL	691	P	5	9	9	0	1	R/U	YES				
EQUI4ACT	696	C	8	8	8	0	1	R/U	YES				
EQUIP4PH	704	P	5	9	9	0	1	R/U	YES				
EQUIP4BL	709	P	5	9	9	0	1	R/U	YES				
AAMOUNT5	714	P	5	9	9	0	1	R/U	YES				

Capital Improvements Program Control File Layout

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
APP5EXP	719	C	6	6	6	0	1	R/U	YES				
LMPACCT5	725	C	8	8	8	0	1	R/U	YES				
FUNDTYP5	733	C	1	1	1	0	1	R/U	YES				
BALAPP5	734	P	5	9	9	0	1	R/U	YES				
PLAN5ACT	739	C	8	8	8	0	1	R/U	YES				
PLAN5PH	747	P	5	9	9	0	1	R/U	YES				
PLAN5BL	752	P	5	9	9	0	1	R/U	YES				
DESN5ACT	757	C	8	8	8	0	1	R/U	YES				
DESIN5PH	765	P	5	9	9	0	1	R/U	YES				
DESIN5BL	770	P	5	9	9	0	1	R/U	YES				
CONS5ACT	775	C	8	8	8	0	1	R/U	YES				
CONST5PH	783	P	5	9	9	0	1	R/U	YES				
CONST5BL	788	P	5	9	9	0	1	R/U	YES				
LAND5ACT	793	C	8	8	8	0	1	R/U	YES				
LAND5PH	801	P	5	9	9	0	1	R/U	YES				
LAND5BL	806	P	5	9	9	0	1	R/U	YES				
EQUI5ACT	811	C	8	8	8	0	1	R/U	YES				
EQUIP5PH	819	P	5	9	9	0	1	R/U	YES				
EQUIP5BL	824	P	5	9	9	0	1	R/U	YES				
EXTRASP	829	C	70	70	70	0	1	R	YES				

List of Control File
Control File Characteristics

File Name: DPCIPCA2
Allotment Trailer

Records are fixed-length, record size is 0126
File organization is indexed, with key field = APPSEQ

OPERATION	ALLOWED?
File report	YES
Record update	YES
Record deletion	YES

Description: APPROPRIATION/ALLOTMENT TRAILER RECORD VERSION 1
CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS
DEVELOPED BY H-PASS & DPED Capital Improvements Program

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control FILE ID
LASTRAIL	1	C	1	1	1	0	1	R/U	YES				
APPSEQ	2	C	22	22	22	0	1	R/U	YES				
TOACCTNM	24	C	8	8	8	0	1	R/U	YES				
TOFUNDTP	32	C	1	1	1	0	1	R/U	YES				
FRACCTNM	33	C	8	8	8	0	1	R/U	YES				
AAFUNDTP	41	C	1	1	1	0	1	R/U	YES				
AANUM	42	C	4	4	4	0	1	R/U	YES				
AADATE	46	C	4	4	4	0	1	R/U	YES				
AAMOUNT	50	P	5	9	9	0	1	R/U	YES				
PURPOSE	55	C	5	5	5	0	1	R/U	YES				
COMMENT	60	C	65	65	65	0	1	R/U	YES				
EXTRASP	125	C	2	2	2	0	1	R/U	YES				

List of Control File
Control File Characteristics

File Name: DPCIPCA3
Project Header

Records are compressed, maximum record size is 0500
File organization is indexed, with key field = PROJNUM

OPERATION	ALLOWED?
File report	YES
Record update	YES
Record deletion	YES

Description: PROJECT/EXPENDITURE HEADER RECORD VERSION 1
CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS
DEVELOPED BY H-PASS & DPED Capital Improvements Program

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
PROJNUM	1	C	20	20	20	0	1	R/U	YES				
TRAILNUM	21	C	5	5	5	0	1	R/U	YES				
STATWIDE	26	C	1	1	1	0	1	R/U	YES				
COUNWIDE	27	C	1	1	1	0	1	R/U	YES				
ISLWIDE	28	C	1	1	1	0	1	R/U	YES				
ISLAND	29	C	1	1	1	0	1	R/U	YES				
JUDDIST	30	C	1	1	1	0	1	R/U	YES				
REPDIST	31	C	3	3	3	0	1	R/U	YES				
SENDIST	34	C	3	3	3	0	1	R/U	YES				
NEIGHBRD	37	C	2	2	2	0	1	R/U	YES				
CENTRACT	39	C	5	5	5	0	1	R/U	YES				
TMKZONE	44	C	1	1	1	0	1	R/U	YES				
TMKSECT	45	C	1	1	1	0	1	R/U	YES				
TMKPLAT	46	C	3	3	3	0	1	R/U	YES				
TMKPARCL	49	C	3	3	3	0	1	R/U	YES				
SMA	52	C	1	1	1	0	1	R/U	YES				
FLOODHAZ	53	C	1	1	1	0	1	R/U	YES				
HISTSITE	54	C	1	1	1	0	1	R/U	YES				
SPECDESN	55	C	1	1	1	0	1	R/U	YES				
COMDIST	56	C	67	67	67	0	1	R/U	YES				
AGNCYDIV	123	C	3	3	3	0	1	R/U	YES				
PRIORITY	126	C	4	4	4	0	1	R/U	YES				

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
PROJTYPE	130	C	1	1	1	0	1	R/U	YES				
PRJTITL1	131	C	65	65	65	0	1	R/U	YES				
PRJTITL2	196	C	65	65	65	0	1	R/U	YES				
DEPTNUM	261	C	20	20	20	0	1	R/U	YES				
DESNDAT	281	C	4	4	4	0	1	R/U	YES				
CONSTDAT	285	C	4	4	4	0	1	R/U	YES				
PLANDATE	289	C	4	4	4	0	1	R/U	YES				
LNDAQDAT	293	C	4	4	4	0	1	R/U	YES				
EQUIPDAT	297	C	4	4	4	0	1	R/U	YES				
COMPDATE	301	C	4	4	4	0	1	R/U	YES				
STATFUND	305	P	4	6	7	0	1	R/U	YES				
CNTYFUND	309	P	4	6	7	0	1	R/U	YES				
FEDLFUND	313	P	4	6	7	0	1	R/U	YES				
PRVTFUND	317	P	4	6	7	0	1	R/U	YES				
TOTLFUND	321	P	4	6	7	0	1	R/U	YES				
EXPAGNCY	325	C	3	3	3	0	1	R/U	YES				
FUNCTION	328	C	1	1	1	0	1	R/U	YES				
PROJSTAT	329	C	1	1	1	0	1	R/U	YES				
PROJPHAS	330	C	5	5	5	0	1	R/U	YES				
COMMENT1	335	C	65	65	65	0	1	R/U	YES				
COMMENT2	400	C	65	65	65	0	1	R/U	YES				
EXPDFY	465	P	4	6	7	0	1	R/U	YES				
EXPDQUT1	469	P	3	5	5	0	1	R/U	YES				
EXPDQ1PH	472	C	5	5	5	0	1	R/U	YES				
EXPDQUT2	477	P	3	5	5	0	1	R/U	YES				
EXPDQ2PH	480	C	5	5	5	0	1	R/U	YES				
EXPDQUT3	485	P	3	5	5	0	1	R/U	YES				
EXPDQ3PH	488	C	5	5	5	0	1	R/U	YES				
EXPDQUT4	493	P	3	5	5	0	1	R/U	YES				
EXPDQ4PH	496	C	5	5	5	0	1	R/U	YES				

List of Control File
Control File Characteristics

File Name: DPCIPCA4
Project Trailer

Records are compressed, maximum record size is 0128
File organization is indexed, with key field = PROJSEQ

OPERATION	ALLOWED?
File report	YES
Record update	YES
Record deletion	YES

Description: PROJECT/EXPENDITURE TRAILER RECORD VERSION 1
CAPITAL IMPROVEMENTS PROGRAM REVIEW PROCESS
DEVELOPED BY H-PASS & DPED Capital Improvements Program

Field Name	Start Posn	Int Fmt	Int Len	Ext Len	Rep Len	Dec Pos	Occur Count	Report/ Update	Blank After	Date/ Time	Valid-ation	Table ID	Control File ID
LASTRAIL	1	C	1	1	1	0	1	R/U	YES				
PROJSEQ	2	C	25	25	25	0	1	R/U	YES				
EXAMOUNT	27	P	4	6	7	0	1	R/U	YES				
EXPPHASE	31	C	5	5	5	0	1	R/U	YES				
AAMOUNT	36	P	4	6	7	0	1	R/U	YES				
ACCTNUM	40	C	8	8	8	0	1	R/U	YES				
CURNTAMT	48	P	4	6	7	0	1	R/U	YES				
QUARTER1	52	P	3	5	5	0	1	R/U	YES				
QUARTER2	55	P	3	5	5	0	1	R/U	YES				
QUARTER3	58	P	3	5	5	0	1	R/U	YES				
QUARTER4	61	P	3	5	5	0	1	R/U	YES				
NXTYEAR	64	P	3	5	5	0	1	R/U	YES				
FUTRAMT	67	P	3	5	5	0	1	R/U	YES				
UNRQAMT	70	P	3	5	5	0	1	R/U	YES				
FUNDSTAT	73	C	1	1	1	0	1	R/U	YES				
FUNDCODE	74	C	1	1	1	0	1	R/U	YES				
YEAR	75	C	2	2	2	0	1	R/U	YES				
FISCYEAR	77	C	2	2	2	0	1	R/U	YES				
ACT	79	C	4	4	4	0	1	R/U	YES				
ITEMNUM	83	C	10	10	10	0	1	R/U	YES				
AADVNUM	93	C	4	4	4	0	1	R/U	YES				
AADATE	97	C	4	4	4	0	1	R/U	YES				
EXTRASP	101	C	28	28	28	0	1	R/U	YES				